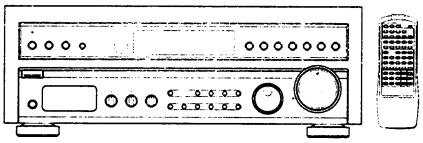
PIONEER®
The Art of Entertainment

Service Manual



ORDER NO.
RRV1769

AUDIO/VIDEO STEREO RECEIVER

VSX-806RDS

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Type	Model	Power Requirement	The voltage can be converted by the following method.
	VSX-806RDS		
HYXJI	O	AC220 – 230V	AC240V, *
HYXJIGR	O	AC220 – 230V	AC240V, *
HVXJI	O	AC230V	AC240V, *

* : Alter the wiring of the Power-supply block at the primary winding of Power-transformer referring to the "Line Voltage Selection" described in Service Manual.

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1. SAFETY INFORMATION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.
Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

Lead in solder used in this product is listed by the California Health and Welfare agency as a known reproductive toxicant which may cause birth defects or other reproductive harm (California Health & Safety Code, Section 25249.5).
When servicing or handling circuit boards and other components which contain lead in solder, avoid unprotected skin contact with the solder. Also, when soldering do not inhale any smoke or fumes produced.

NOTICE

(FOR CANADIAN MODEL ONLY)

Fuse symbols (fast operating fuse) and/or (slow operating fuse) on PCB indicate that replacement parts must be of identical designation.

REMARQUE

(POUR MOD+LE CANADIEN SEULEMENT)

Les symboles de fusible (fusible de type rapide) et/ou (fusible de type lent) sur CCI indiquent que les piÅces de remplacement doivent avoir la mÉme dÄsignation.

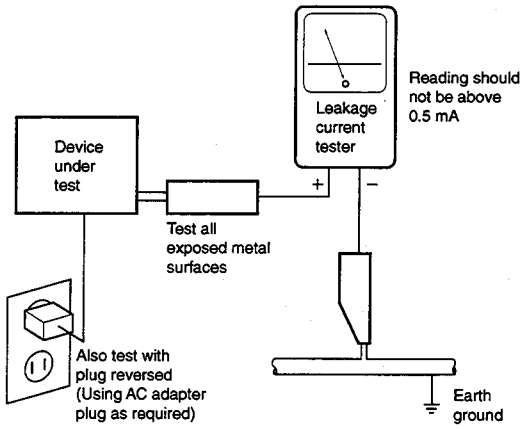
(FOR USA MODEL ONLY)

1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60 Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5 mA.


Leakage current tester
Reading should not be above 0.5 mA
Device under test
+
−
Test all exposed metal surfaces
Also test with plug reversed (Using AC adapter plug as required)
Earth ground

AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

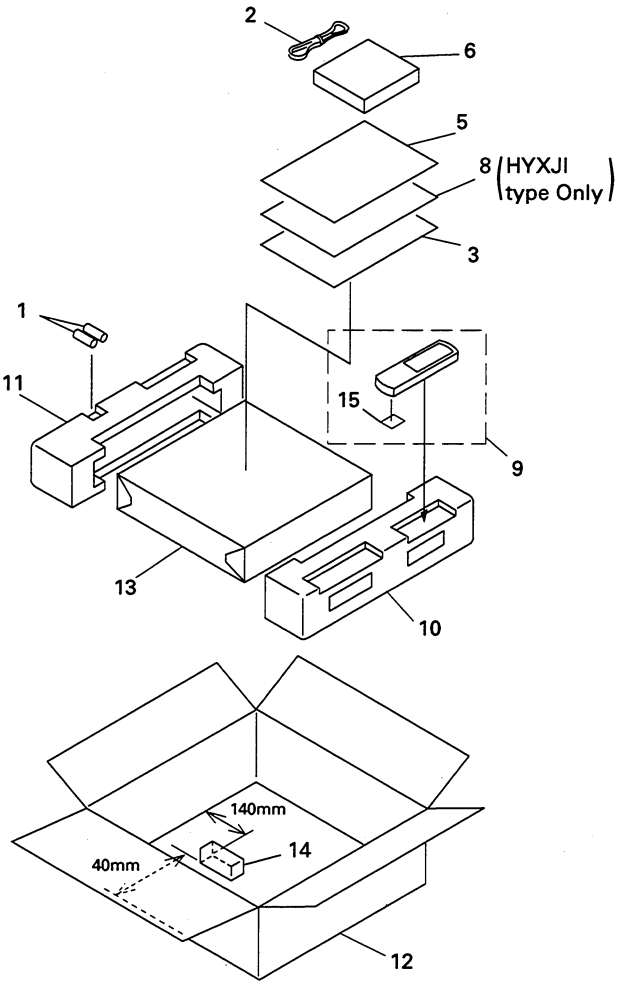
Electrical components having such features are identified by marking with a ⚠ on the schematics and on the parts list in this Service Manual.
The use of a substitute replacement component which dose not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

2. EXPLODED VIEWS AND PARTS LIST

NOTES: • *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
• *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
• *Screws adjacent to ▼ mark on product are used for disassembly.*

2.1 PACKING



(1) PARTS LIST

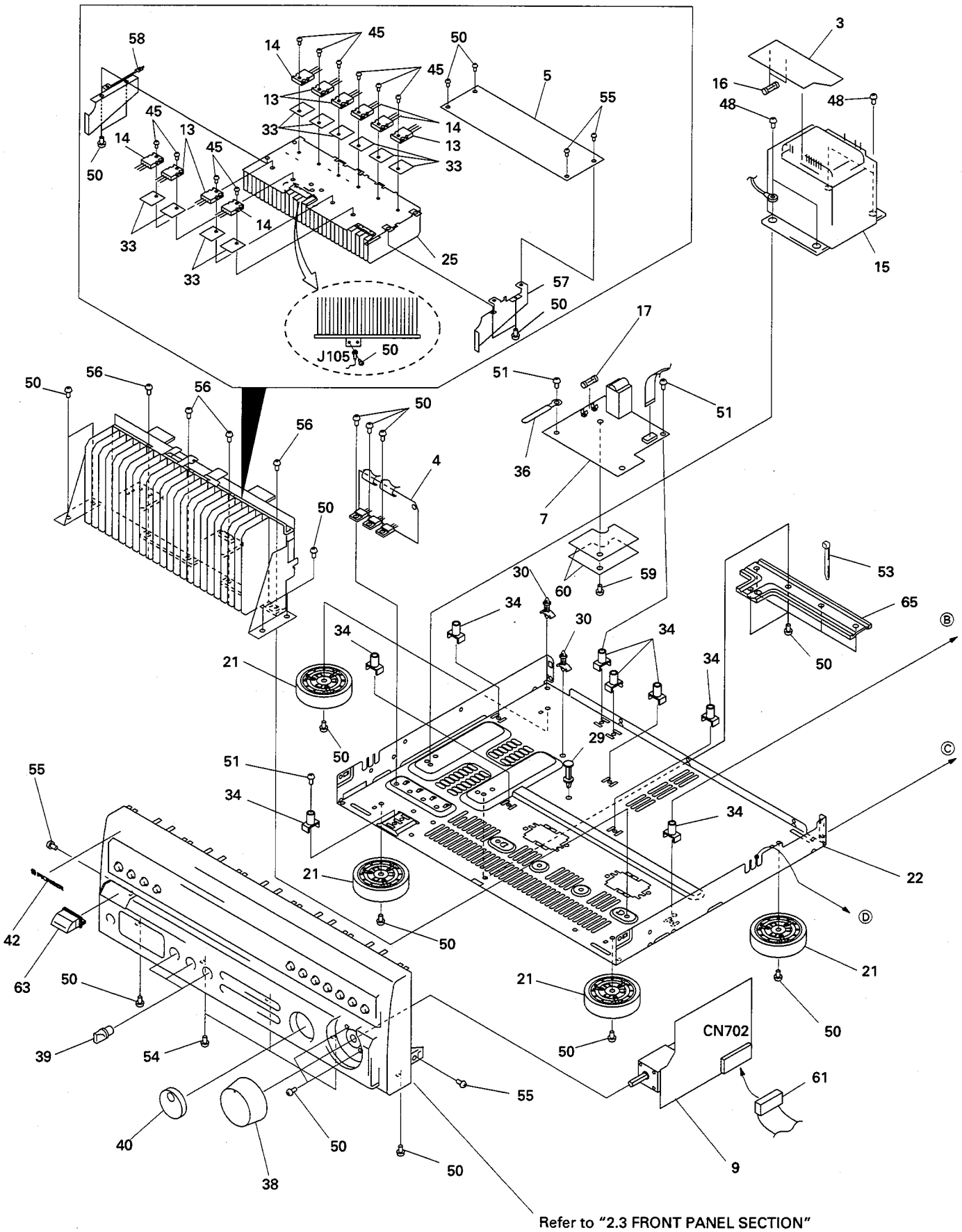
Mark	No.	Description	Parts No.
NSP	1	Dry Cell Battery (R6P,AA)	VEM – 013
	2	FM Antenna	ADH7005
	3	Operating Instructions	See Contrast table (2)
	4	.....	
NSP	5	Warranty Card	ARY7009
	6	AM Loop Antenna	ATB7009
	7	.....	
	8	Operating Instructions	See Contrast table (2)
	9	Remote Control Unit (CU – VSX118)	AXD7129
	10	Front Pad	AHA7137
	11	Rear Pad	AHA7140
	12	Packing Case	AHD7405
	13	Packing Sheet	AHG7010
	14	Sub Pad B	AHB7027
	15	Battery Cover	AZA7219

(2) CONTRAST TABLE

HYXJI, HYXJIGR and HVXJI types have the same construction except for the following :

Mark	No.	Srmbol & Description	Part No.			Remarks
			HVXJI	HYXJI	HYXJIGR	
	3	Operating Instructions (English)	ARB7100	Not used	Not used	
	3	Operating Instructions (English/French/German/Italian)	Not used	ARE7100	Not used	
	3	Operating Instructions (German)	Not used	Not used	ARC7146	
	8	Operating Instructions (Dutch/Swedish/Spanish/Portuguese)	Not used	ARC7163	Not used	

2.2 EXTERIOR


58
14
45
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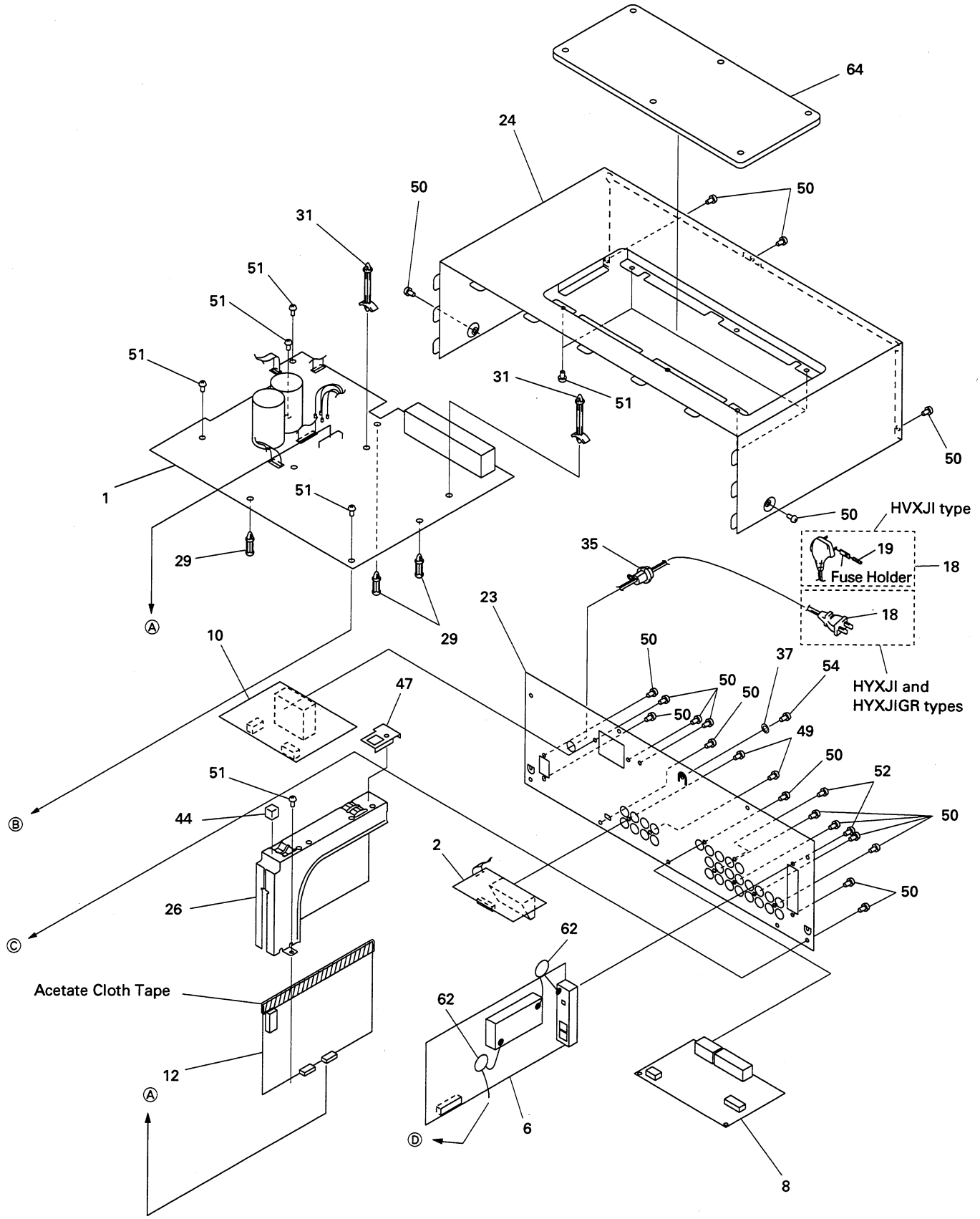
5
55
16
48
3
15
25
57
J105
17
51
36
7
56
4
53
65
59
60
30
34
21
29
22
42
63
39
54
40
38
9
CN702
61
Ⓑ
Ⓒ
Ⓓ
Refer to "2.3 FRONT PANEL SECTION"


64
24
50
50
31
51
51
51
31
51
50
1
51
50
HVXJI type
19
Fuse Holder
18
18
35
29
29
23
10
50
37
54
HYXJI and
HYXJIGR types
47
50
50
50
49
50
52
51
50
44
2
26
62
Acetate Cloth Tape
62
12
6
8

VSX-806RDS

(1) PARTS LIST

Mark	No.	Description	Parts No.
	1	INPUT ASSY	AWZ8623
NSP	2	FRONT SP ASSY	AWZ8631
	3	TRANS ASSY	AWZ8624
	4	REG.1 ASSY	AWZ8843
	5	R/C AMP ASSY	AWZ8628
	6	FM/AM TUNER MOJULE	AXQ7041
NSP	7	PRIMARY ASSY	AWZ8630
	8	VIDEO/SR ASSY	AWZ8845
	9	VOLUME ASSY	AWZ8844
	10	R/C SPEAKER ASSY	AWZ8629
	11	.....	
	12	PRO LOGIC ASSY	AWZ8510
⚠	13	Transistor (Q3, Q4, Q7, Q8, Q10)	2SA1943
⚠	14	Transistor (Q1, Q2, Q5, Q6, Q9)	2SC5200
⚠	15	Power Transformer	ATS7171
⚠	16	Fuse (FU3, FU4 : T1.25A)	AEK1055
⚠	17	Fuse (FU1 : T3.15A)	AEK1059
⚠	18	AC Power Cord	See Contrast table (2)
⚠	19	Fuse (T5A)	See Contrast table (2)
	20	.....	
	21	Insulator	PNW1912
	22	Chassis	ANA7059
	23	Rear Panel	See Contrast table (2)
	24	Bonnet Case	ANE7154
	25	Radiator	ANH7053
	26	Shield Case	ANK7032
	27	.....	
	28	.....	
	29	PCB Support	AEC1581
	30	PCB Support	AEC7006
	31	PCB Support	AEC7056
	32	.....	
	33	Sheet	AEE7010
	34	PCB Mold	AMR2533
	35	Cord Stopper	CM-22B
NSP	36	Clamper	RNE1277
	37	Washer	VEC1254
	38	Round Knob L	AAB7082
	39	Round Knob S	AAB7106
	40	Jog Knob	AAB7048

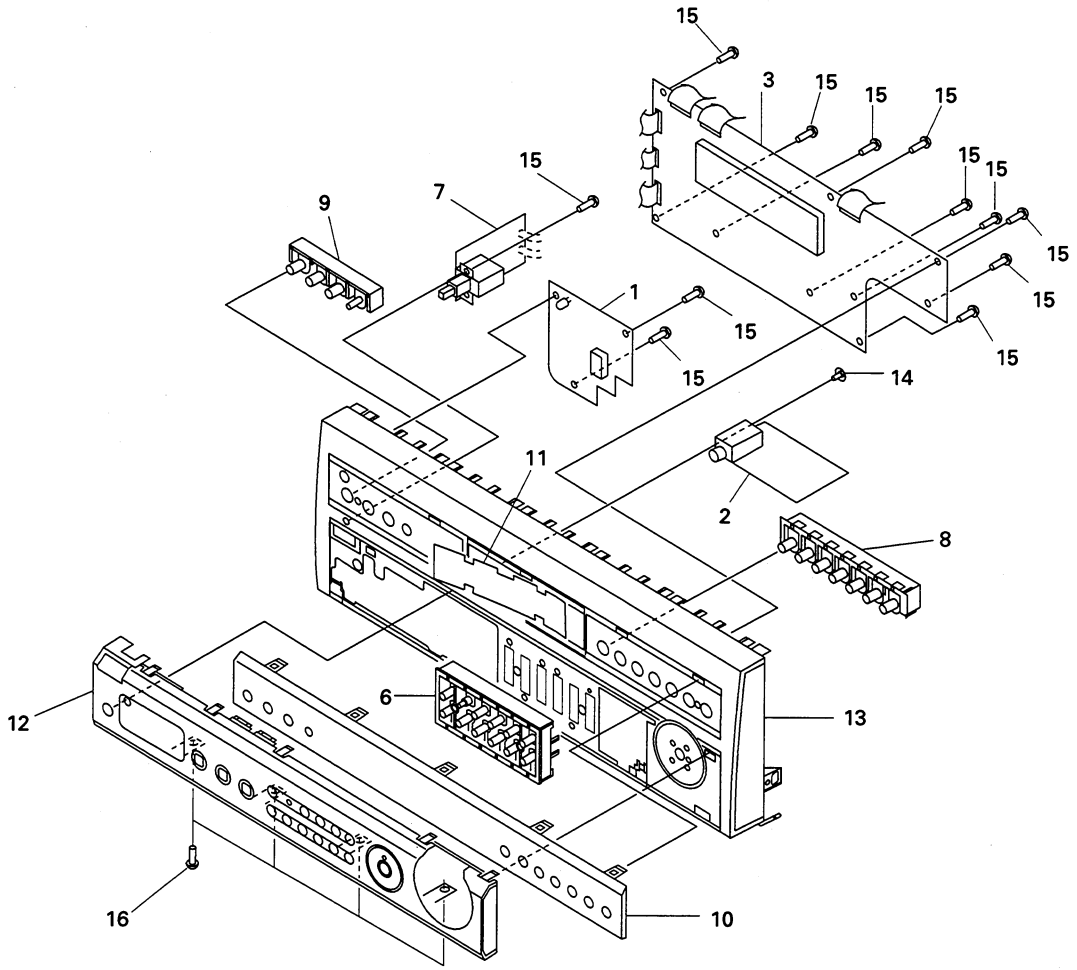
Mark	No.	Description	Parts No.
	41	.....	
	42	Name Plate	PAM1608
	43	.....	
NSP	44	Cushion	AEB7081
	45	Screw	ABA1037
	46	.....	
	47	ISO Plate	ANG7141
	48	Screw	ABA7019
	49	Screw	ABA1007
	50	Screw	BBZ30P080FZK
	51	Screw	BBZ30P200FMC
	52	Screw	ABA – 115
NSP	53	Binder	ZCA – BK1
	54	Screw	ABA7008
	55	Screw	ABA – 298
	56	Screw	ABA1147
	57	Radiator Holder L	ANG7125
	58	Radiator Holder R	ANG7126
	59	Push Rivet	AEC7025
	60	PVC Sheet	AEC7087
	61	Connector Assy	PF06PP0S10
	62	Capacitor (C1, C2)	CCDSL271J50
	63	Power Button	AAD7373
	64	Top Cover	AME1086
	65	Bottom Holder	ANG7145

(2) CONTRAST TABLE

HYXJI, HYXJIGR and HVXJI types have the same construction except for the following :

Mark	No.	Srmbol & Description	Part No.			Remarks
			HVXJI	HYXJI	HYXJIGR	
⚠	18	AC Power Cord	PDG1055	ADG7016	ADG7016	
⚠	19	Fuse (T5A)	PEK1003	Not used	Not used	
	23	Rear Panel	ANC7538	ANC7537	ANC7537	

2.3 FRONT PANEL SECTION



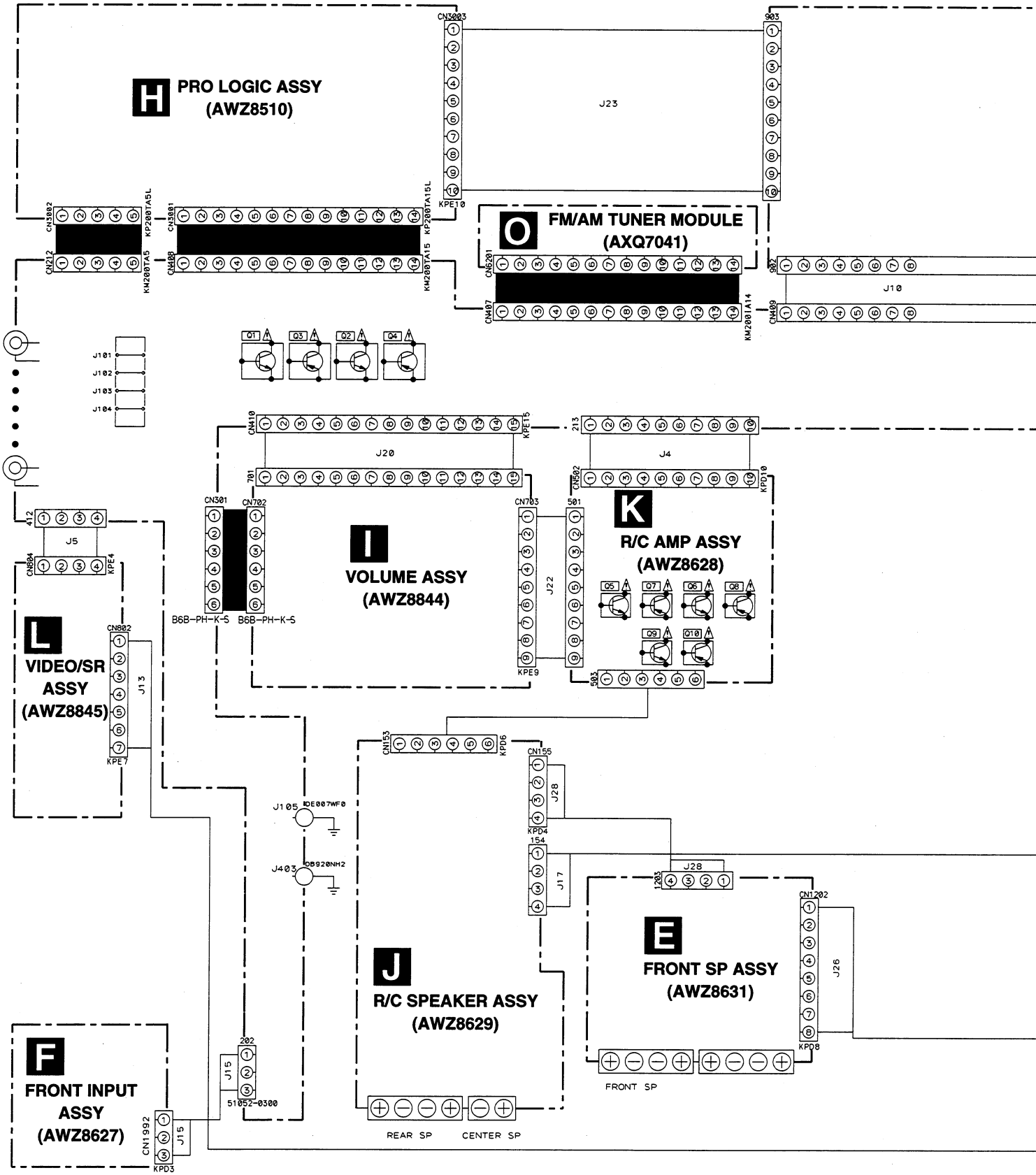
• PARTS LIST

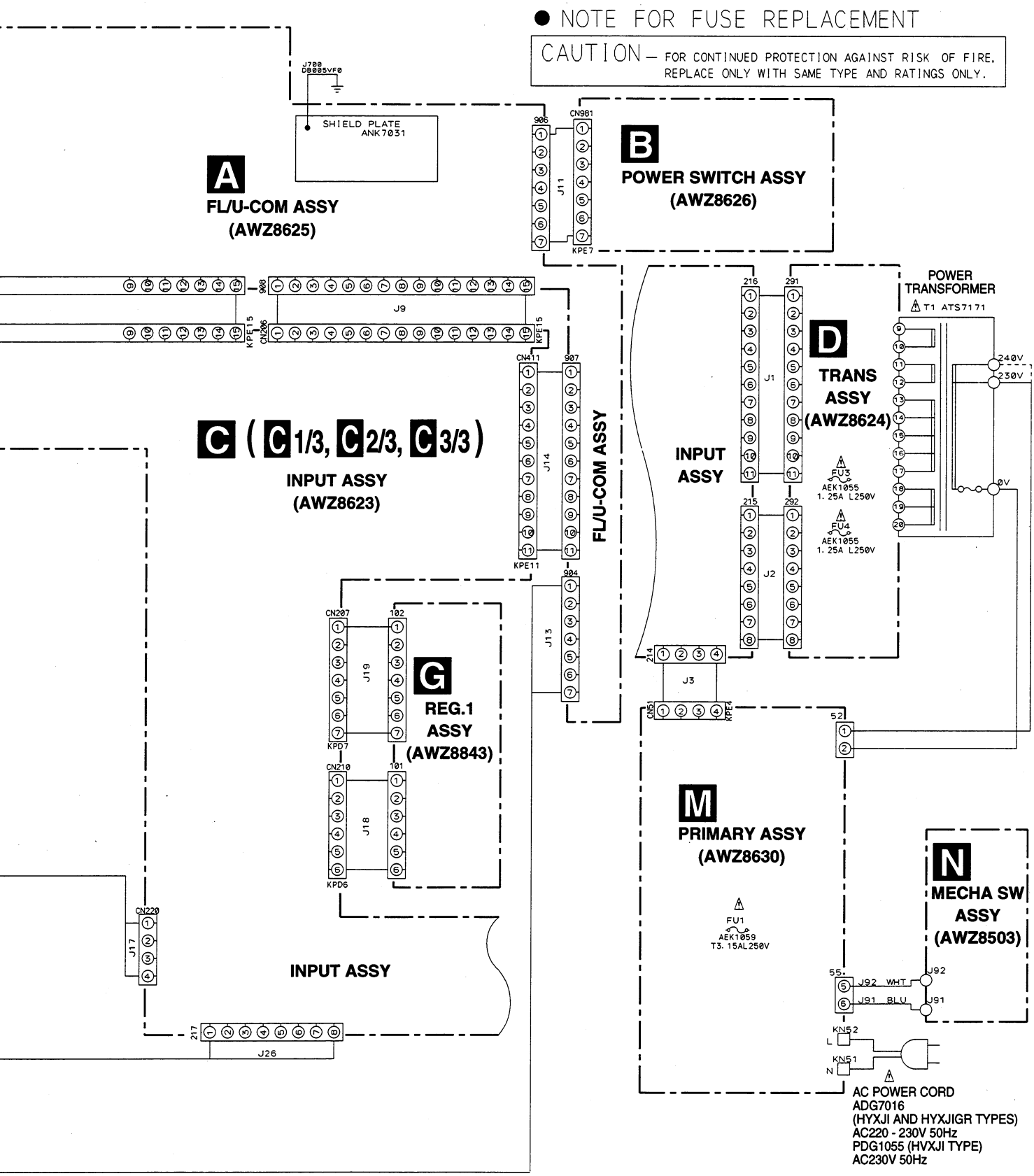
Mark	No.	Description	Parts No.
NSP	1	POWER SWITCH ASSY	AWZ8626
NSP	2	FRONT INPUT ASSY	AWZ8627
	3	FL U-COM ASSY	AWZ8625
	4	.....	
	5	.....	
	6	Tuner Button	AAD7326
NSP	7	MECHA SW ASSY	AWZ8503
	8	Func. Button	AAD7328
	9	SFC Button	AAD7329
	10	FL Panel	AAK7293
	11	FL Filter	AAK7297
	12	Sub Panel	AAP7027
	13	Front Panel	AMB7422
	14	Screw	ABA7009
	15	Screw	BPZ30P080FMC
	16	Screw	BBZ30P080FZK

3. SCHEMATIC DIAGRAM

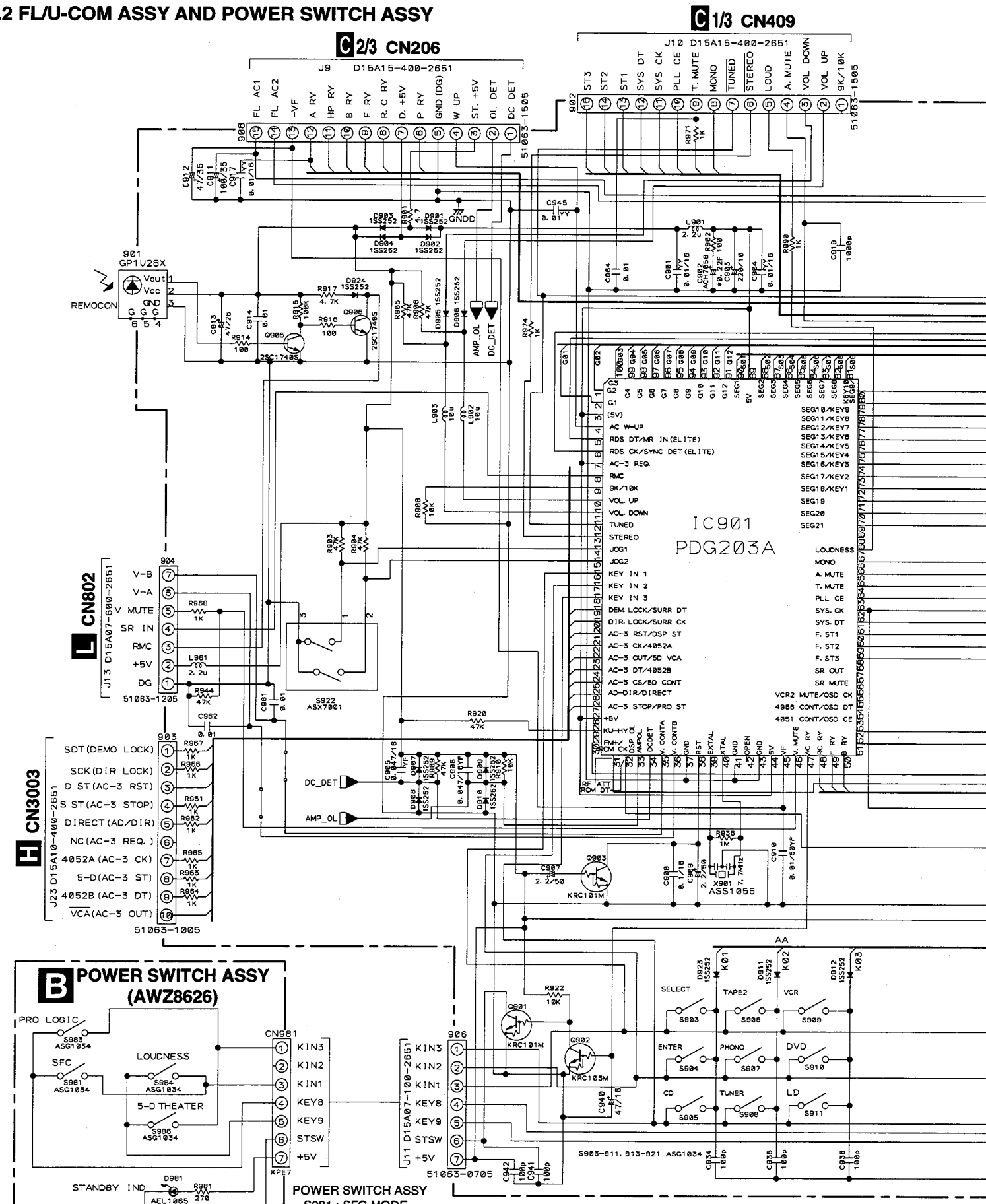
Note : When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST"

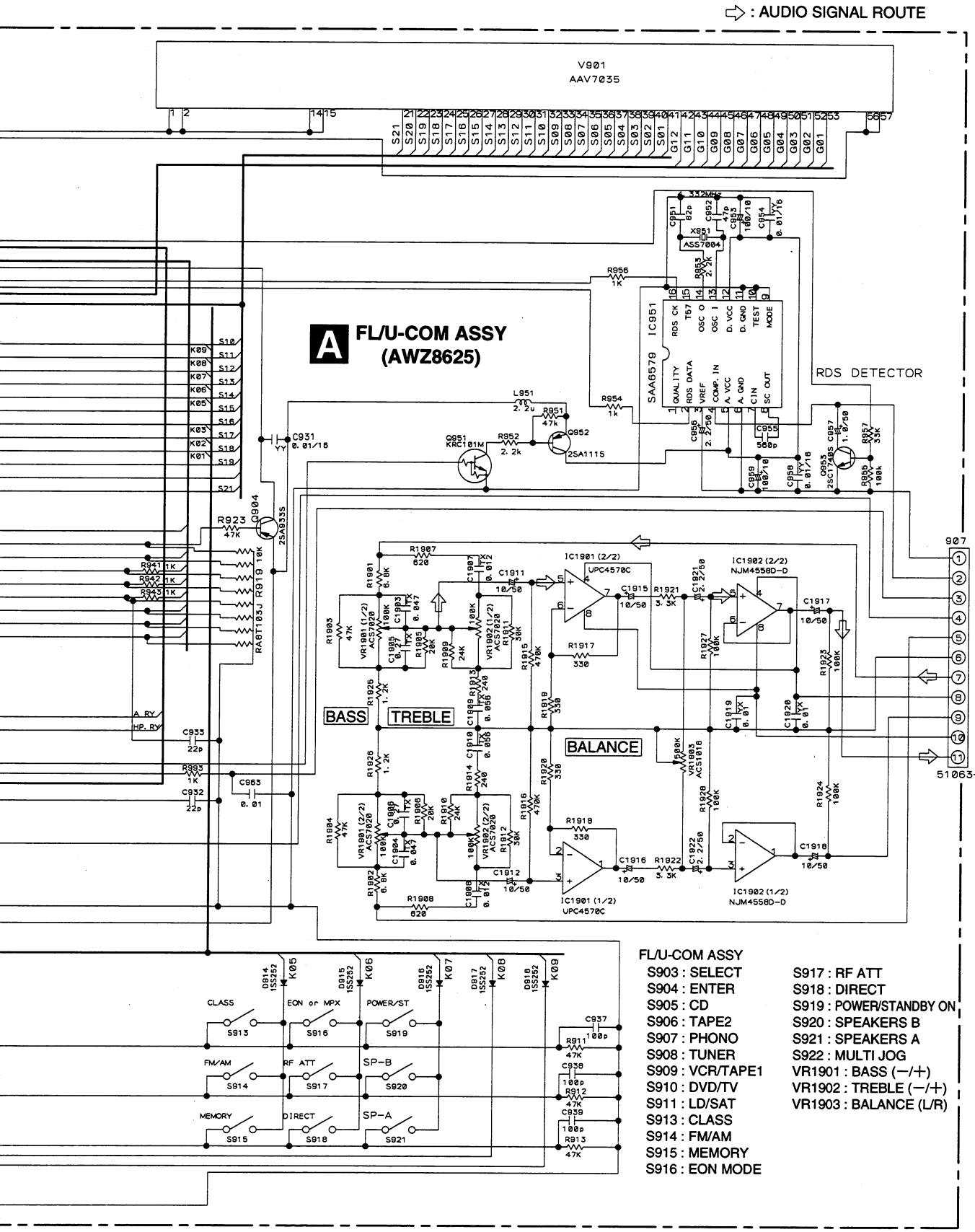
3.1 OVERALL CONNECTION DIAGRAM




● NOTE FOR FUSE REPLACEMENT
CAUTION – FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE AND RATINGS ONLY.
J700 DB005VF0
SHIELD PLATE ANK7031
A
FL/U-COM ASSY (AWZ8625)
B
POWER SWITCH ASSY (AWZ8626)
CN981
906
J11
KPE7
J9
908
CN206
KPE15
CN411
907
J14
KPE11
FL/U-COM ASSY
C (C1/3, C2/3, C3/3)
INPUT ASSY (AWZ8623)
INPUT ASSY
216
291
J1
215
292
J2
D
TRANS ASSY (AWZ8624)
FU3 AEK1055 1.25A L250V
FU4 AEK1055 1.25A L250V
POWER TRANSFORMER
T1 ATS7171
240V
230V
0V
214
J3
CN5
KPE4
904
J13
CN207
102
J19
KPD7
CN210
101
J18
KPD6
G
REG.1 ASSY (AWZ8843)
CN220
J17
217
J26
52
M
PRIMARY ASSY (AWZ8630)
FU1 AEK1059 T3.15AL250V
55
J92 WHT
J91 BLU
J92
J91
N
MECHA SW ASSY (AWZ8503)
KN52
KN51
L
N
AC POWER CORD
ADG7016
(HYXJI AND HYXJIGR TYPES)
AC220 - 230V 50Hz
PDG1055 (HVXJI TYPE)
AC230V 50Hz

3.2 FL/U-COM ASSY AND POWER SWITCH ASSY

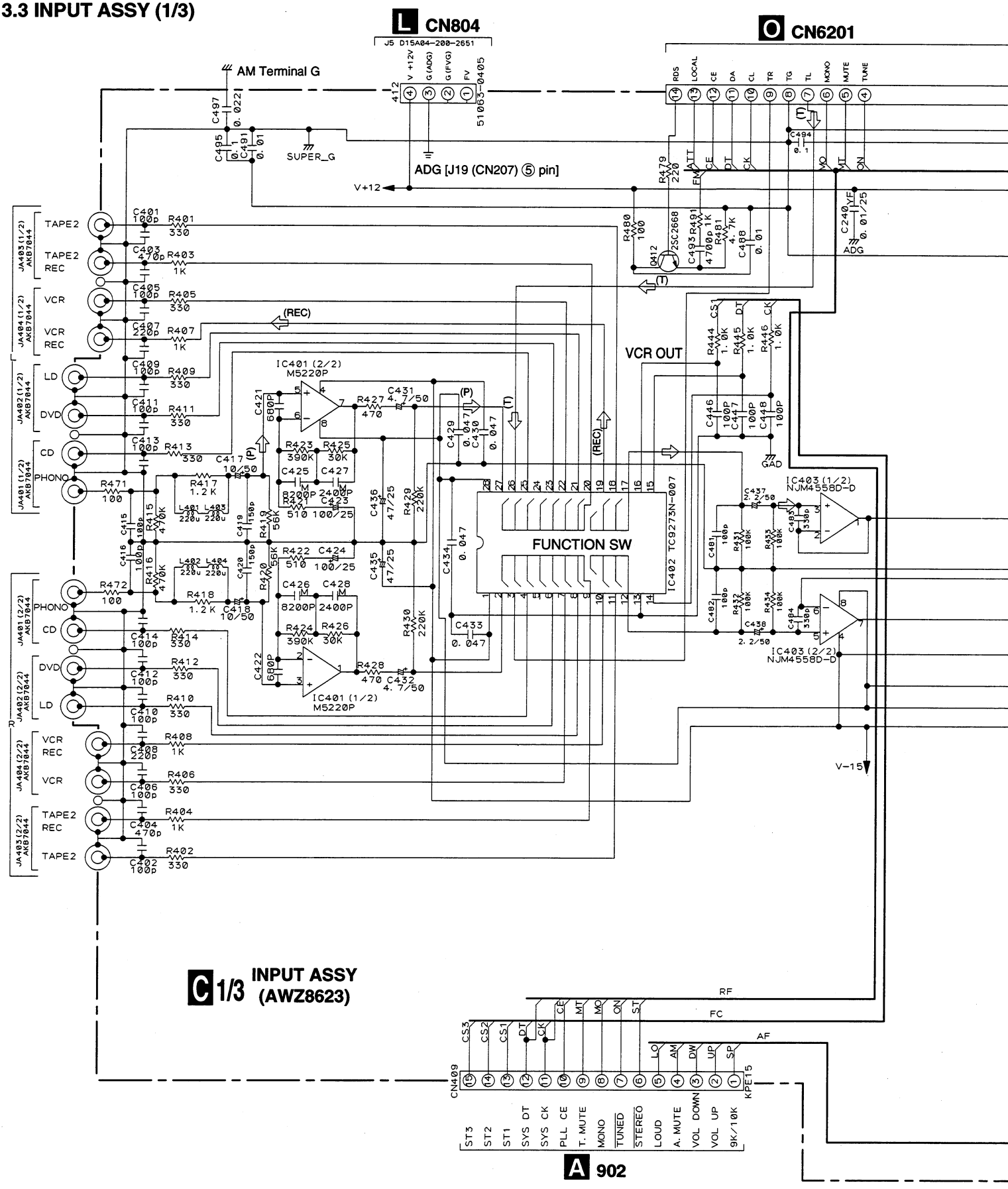


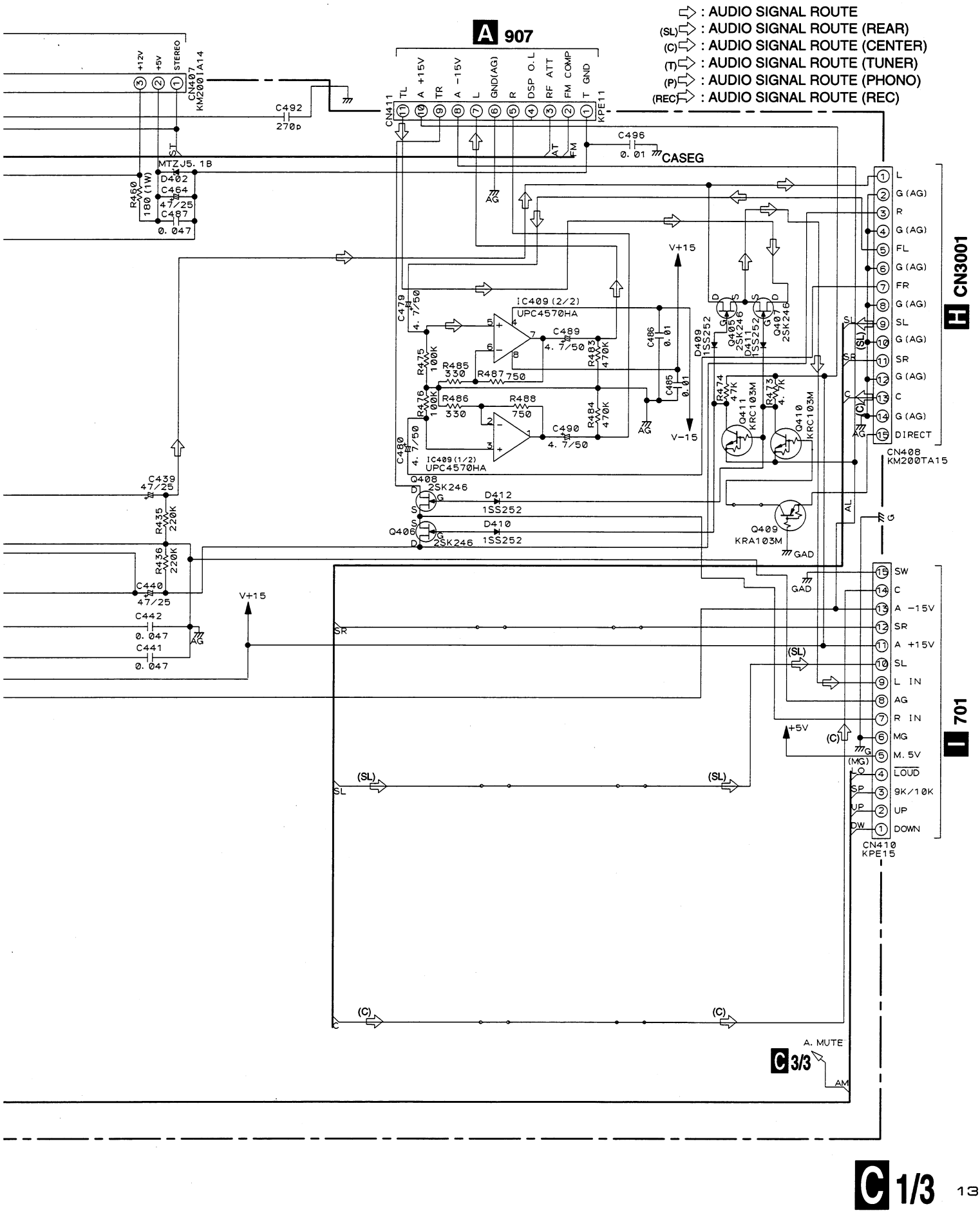


FL/U-COM ASSY

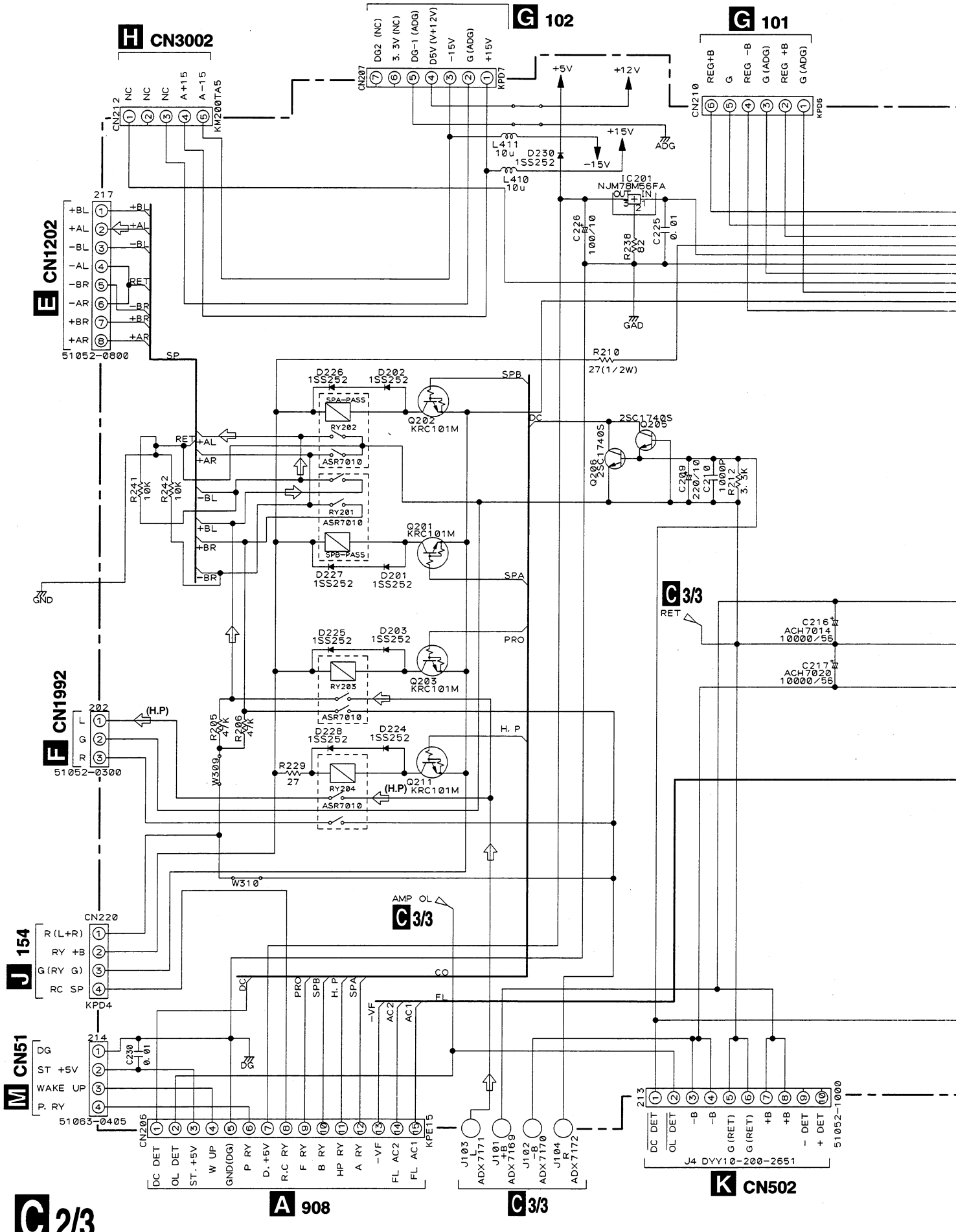
S903 : SELECT
S904 : ENTER
S905 : CD
S906 : TAPE2
S907 : PHONO
S908 : TUNER
S909 : VCR/TAPE1
S910 : DVD/TV
S911 : LD/SAT
S913 : CLASS
S914 : FM/AM
S915 : MEMORY
S916 : EON MODE
S917 : RF ATT
S918 : DIRECT
S919 : POWER/STANDBY ON
S920 : SPEAKERS B
S921 : SPEAKERS A
S922 : MULTI JOG
VR1901 : BASS (−/+)
VR1902 : TREBLE (−/+)
VR1903 : BALANCE (L/R)

3.3 INPUT ASSY (1/3)




⇨ : AUDIO SIGNAL ROUTE
(SL)⇨ : AUDIO SIGNAL ROUTE (REAR)
(C)⇨ : AUDIO SIGNAL ROUTE (CENTER)
(T)⇨ : AUDIO SIGNAL ROUTE (TUNER)
(P)⇨ : AUDIO SIGNAL ROUTE (PHONO)
(REC)⇨ : AUDIO SIGNAL ROUTE (REC)
A 907
CN407 KM200IA14
+12V
+5V
STEREO
C492 270p
CN411
TL
A +15V
TR
A -15V
L
GND(AG)
R
DSP O.L
RF ATT
FM COMP
T GND
KPE11
C496 0.01
CASEG
MTZJ5.1B
D402
C464 47/25
C487 0.047
R460 180 (1W)
AG
IC409 (2/2) UPC4570HA
IC409 (1/2) UPC4570HA
C479 4.7/50
C480 4.7/50
C489 4.7/50
C490 4.7/50
R475 100K
R476 100K
R485 330
R486 330
R487 750
R488 750
R483 470K
R484 470K
C486 0.01
C485 0.01
V+15
V-15
D409 1SS252
D411 1SS252
Q405 2SK246
Q407 2SK246
R474 47K
R473 4.7K
Q411 KRC103M
Q410 KRC103M
Q409 KRA103M
GAD
AL
SL
SR
C
CL
(SL)
H CN3001
1 L
2 G (AG)
3 R
4 G (AG)
5 FL
6 G (AG)
7 FR
8 G (AG)
9 SL
10 G (AG)
11 SR
12 G (AG)
13 C
14 G (AG)
15 DIRECT
CN408 KM200TA15
C439 47/25
C440 47/25
C442 0.047
C441 0.047
R435 220K
R436 220K
Q408 2SK246
Q406 2SK246
D412 1SS252
D410 1SS252
I 701
15 SW
14 C
13 A -15V
12 SR
11 A +15V
10 SL
9 L IN
8 AG
7 R IN
6 MG
5 M.5V
4 LOUD
3 9K/10K
2 UP
1 DOWN
CN410 KPE15
+5V
(MG)
(C)
(SL)
C 3/3
A. MUTE
AM

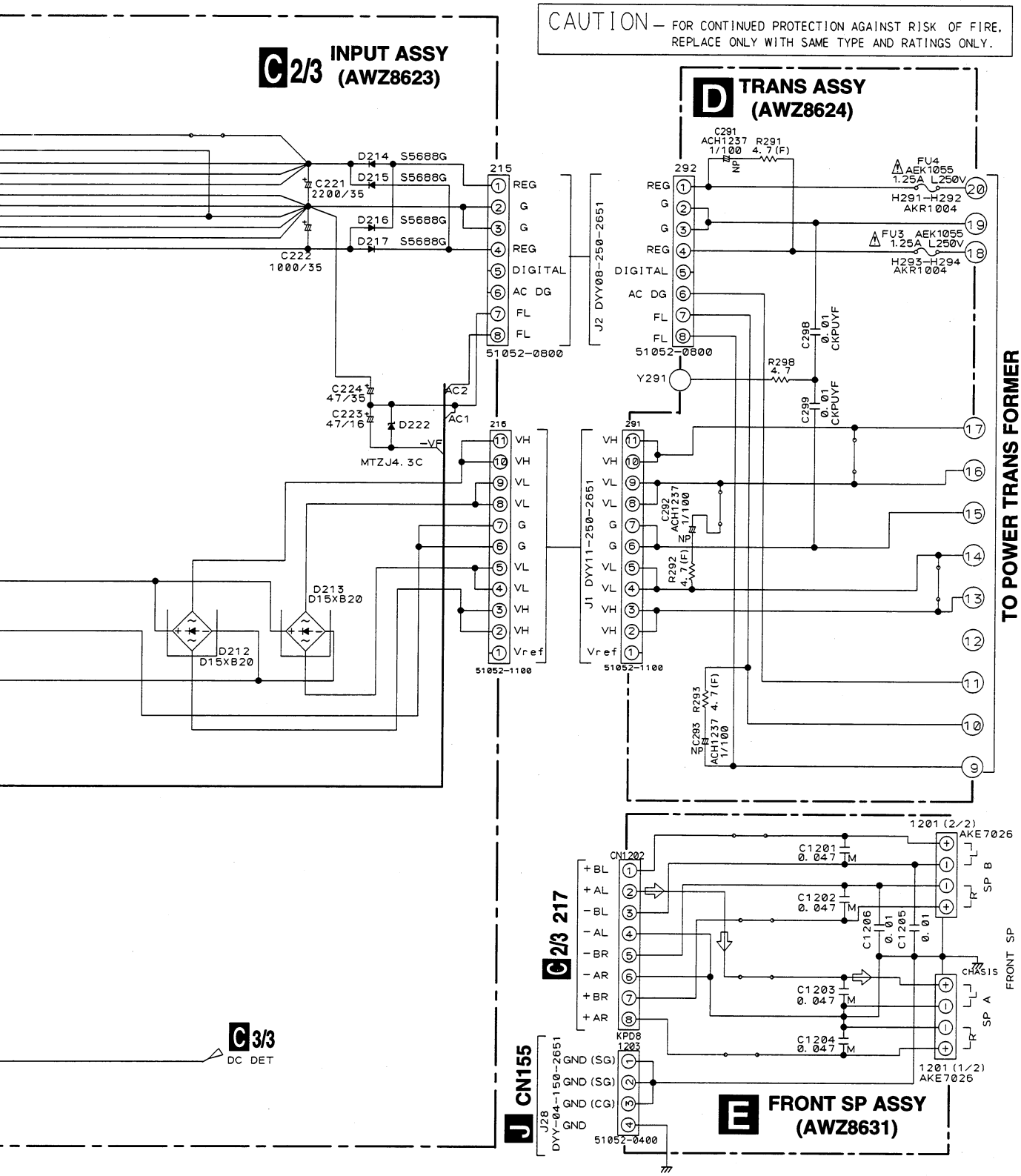
3.4 INPUT ASSY (2/3), TRANS ASSY AND FRONT SP ASSY



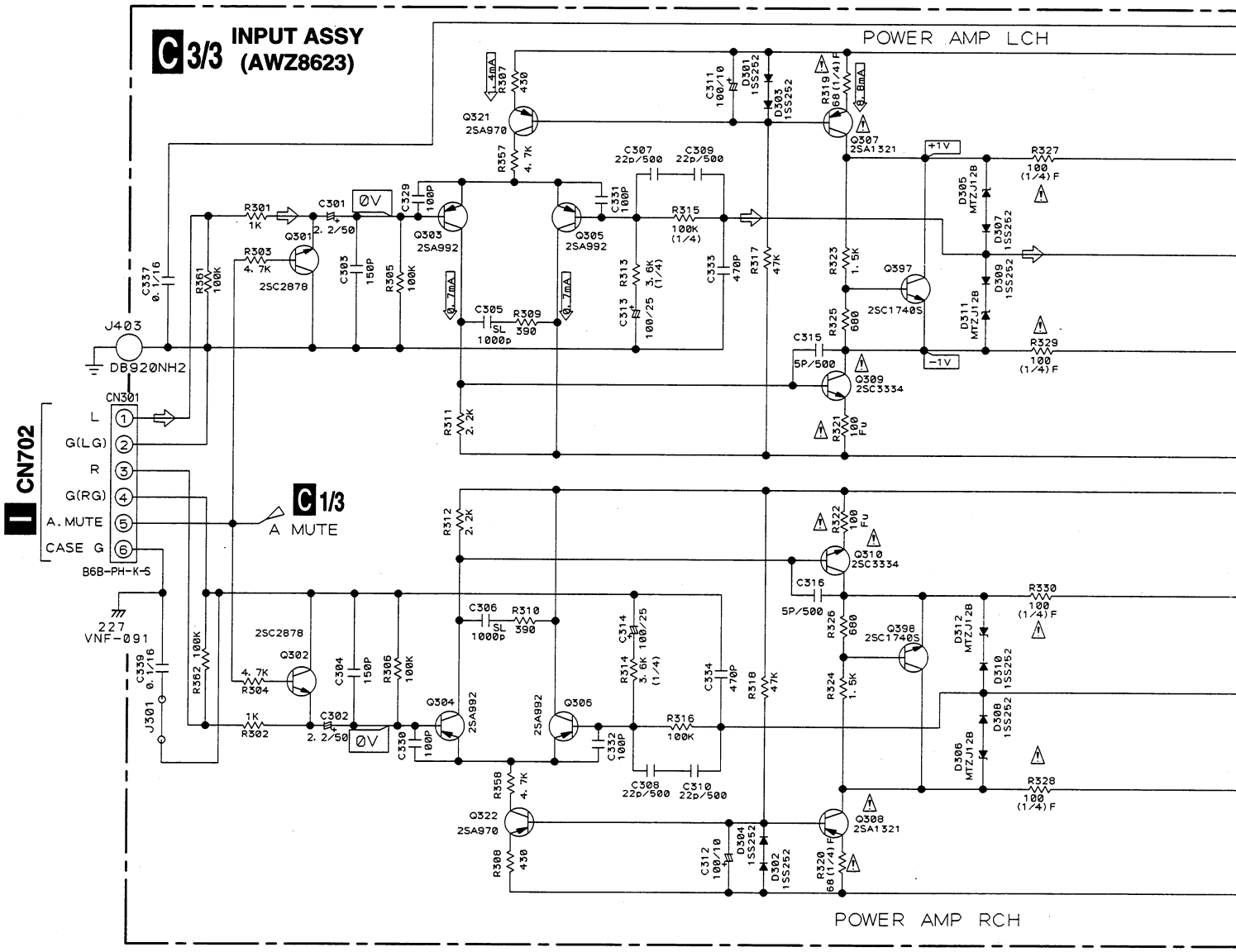
: AUDIO SIGNAL ROUTE
(H.P) : AUDIO SIGNAL ROUTE (HEADPHONE)

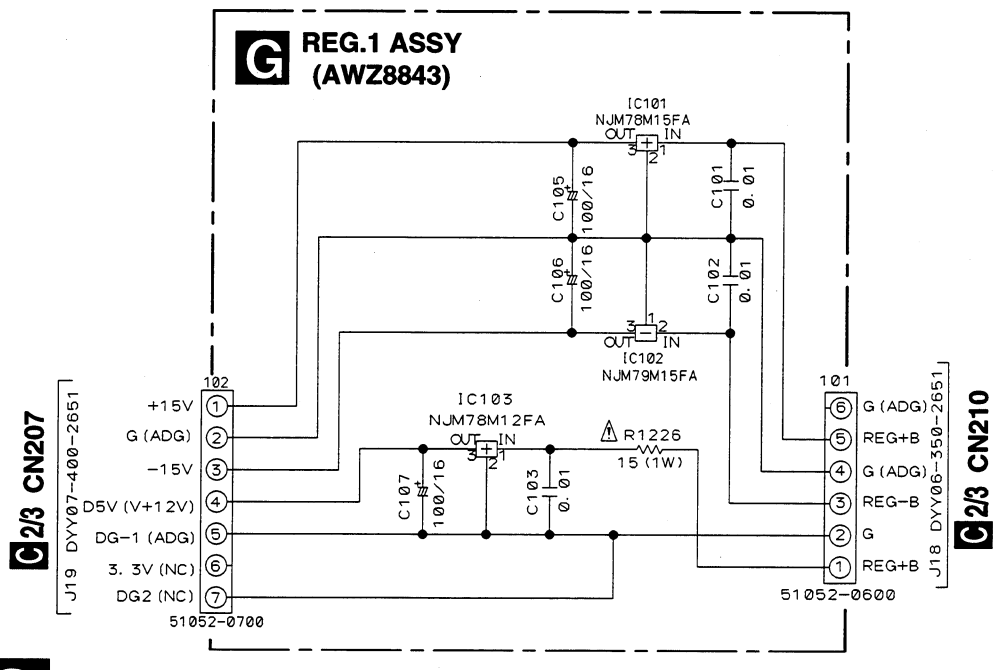
● NOTE FOR FUSE REPLACEMENT

CAUTION – FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE AND RATINGS ONLY.

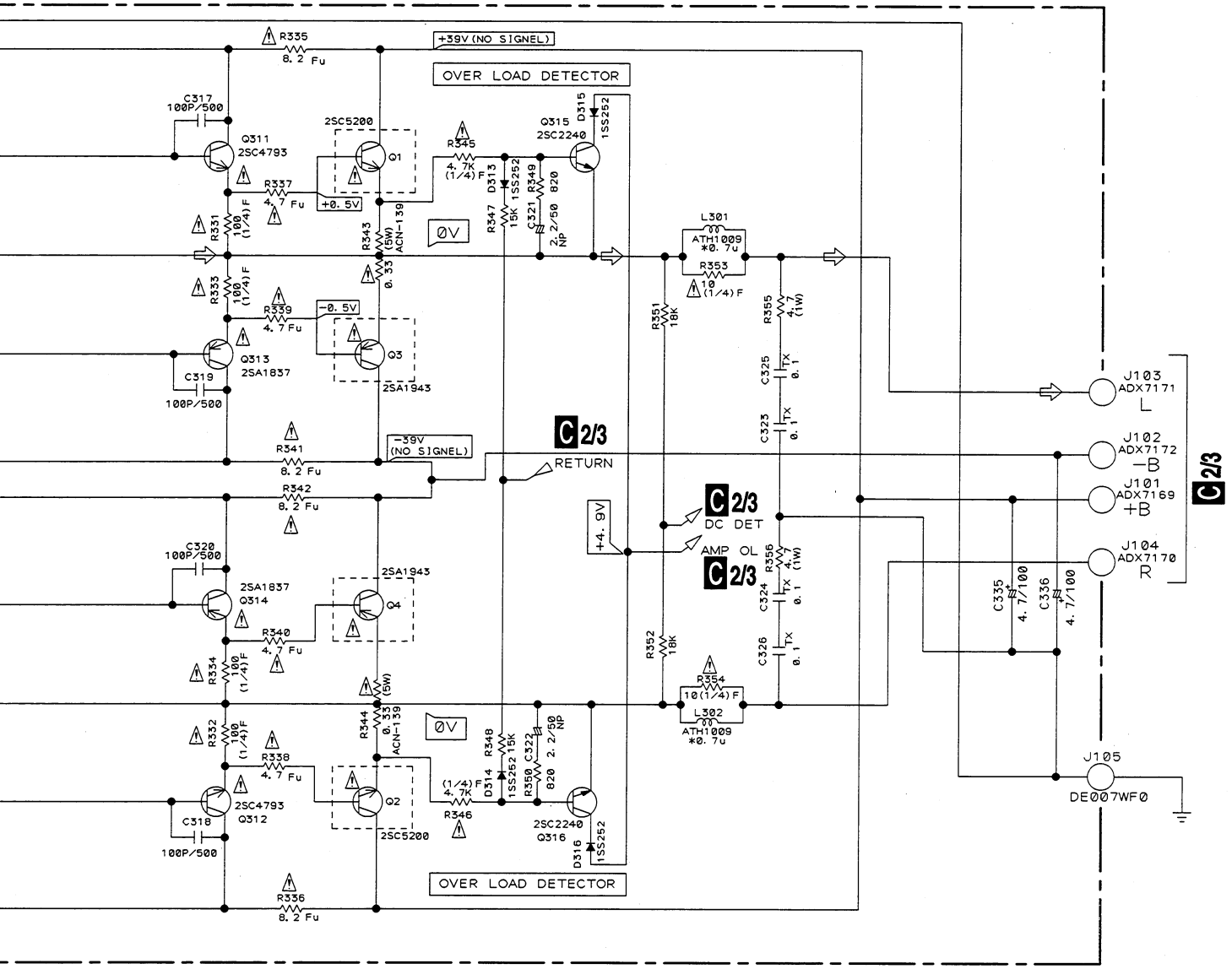


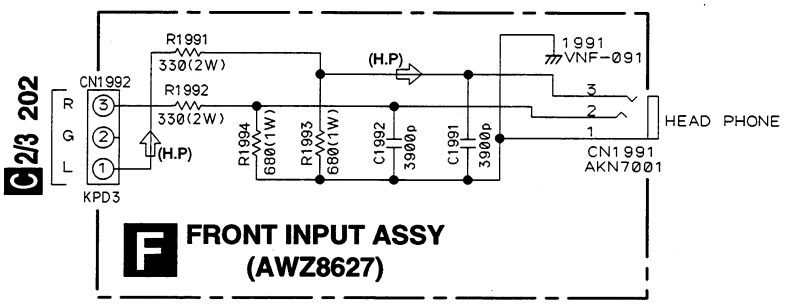
3.5 INPUT ASSY (3/3), FRONT INPUT ASSY AND REG.1 ASSY





⇨ : AUDIO SIGNAL ROUTE
(H.P)⇨ : AUDIO SIGNAL ROUTE (HEADPHONE)





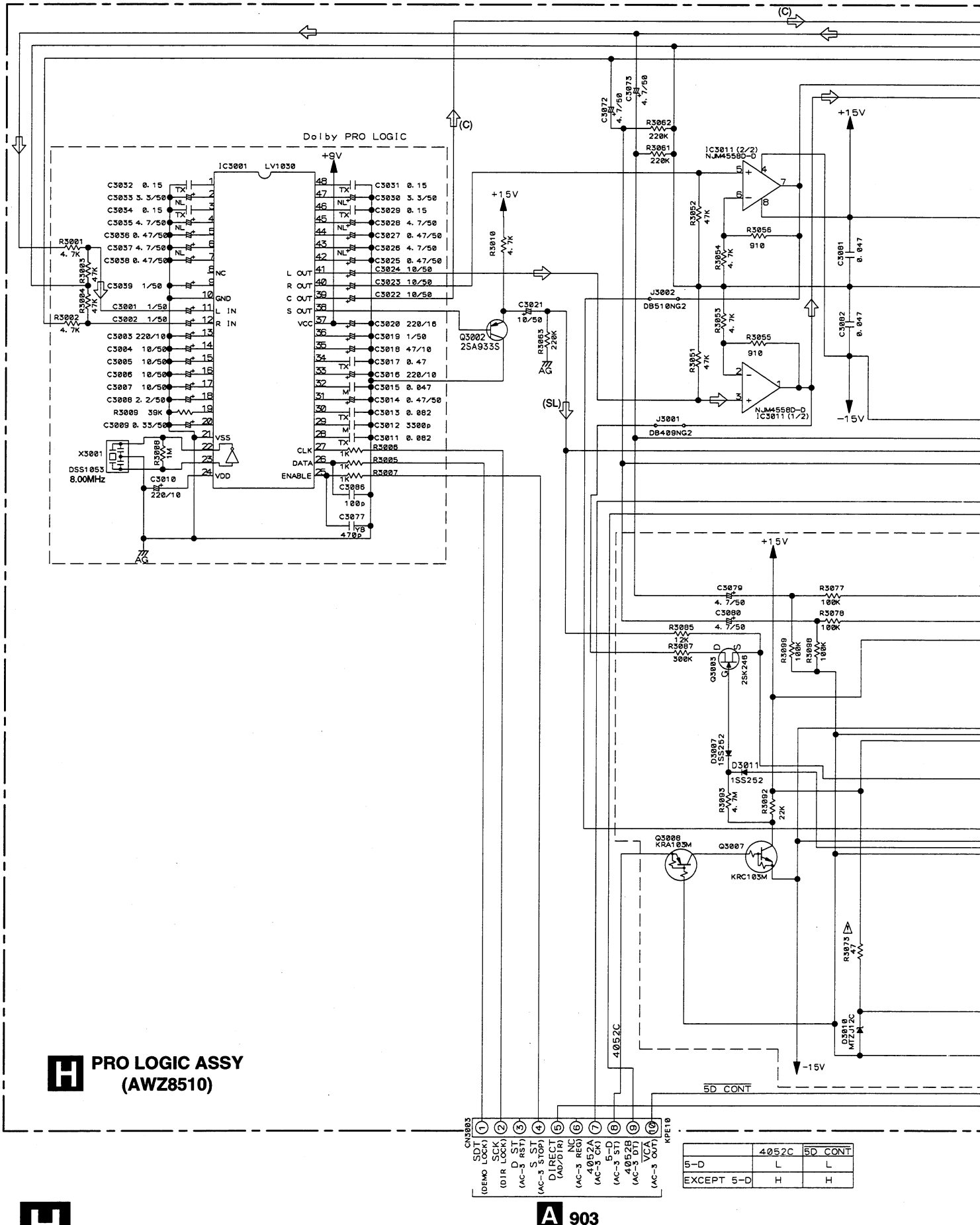
Noted

1.Resistors
Indicated in ohm 1/4W
tolerance ±5%
unless otherwise noted
K:Kohm . M:Mohm
F : Non flammable type
Fu: Non flammable quick open type
FL: Non flammable type(RD1/4LMF***J type)

2.Capacitors
Indicated in capacity(uF)/voltege(V)
unless otherwise noted
p=pF
Indication without voltae is 50V except electroiytic capacitor
NL=CEANL⁻, TX=CFTXA⁻

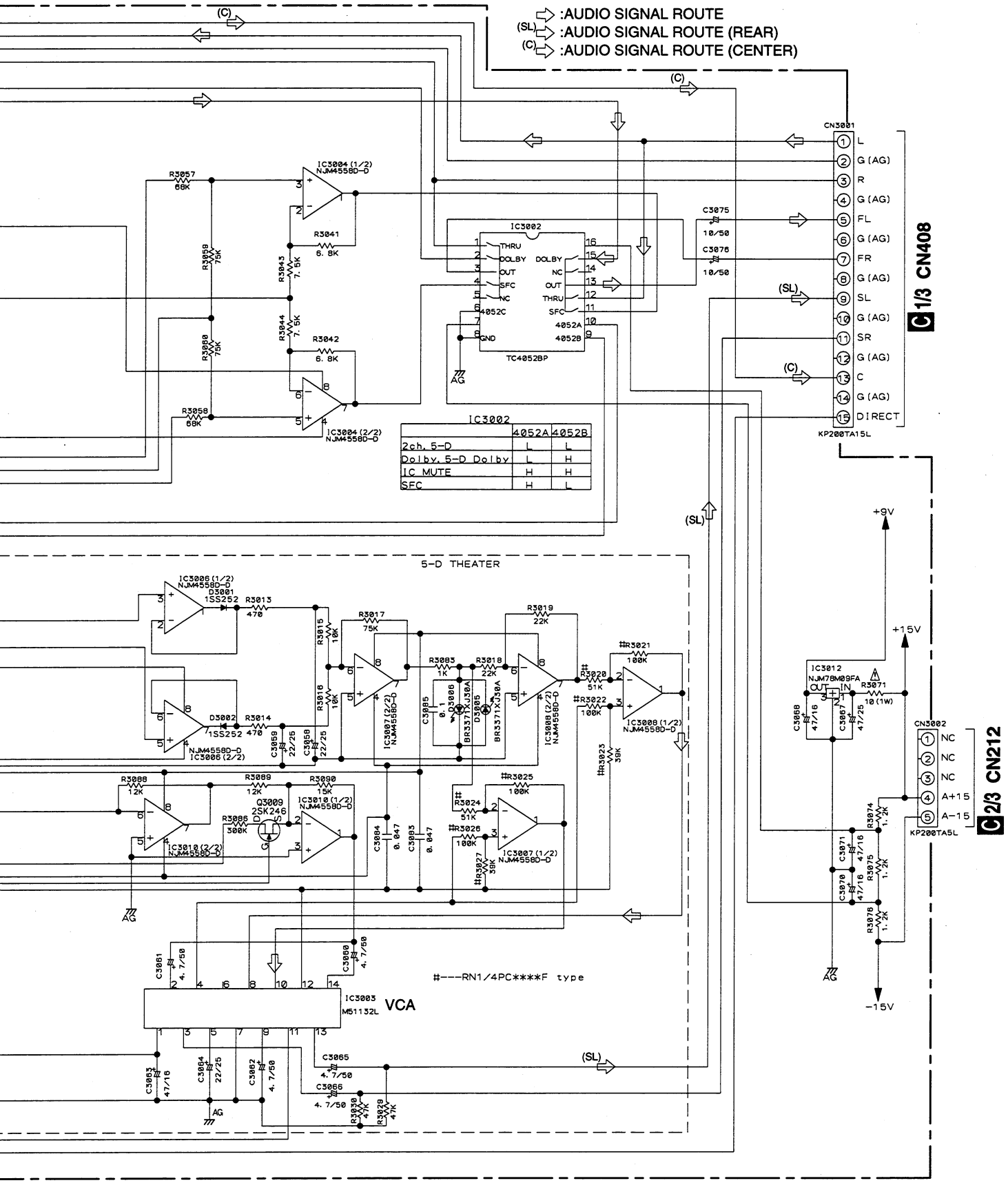
3.Diodes
Other diodes(not noted) are 1SS252

3.6 PRO LOGIC ASSY

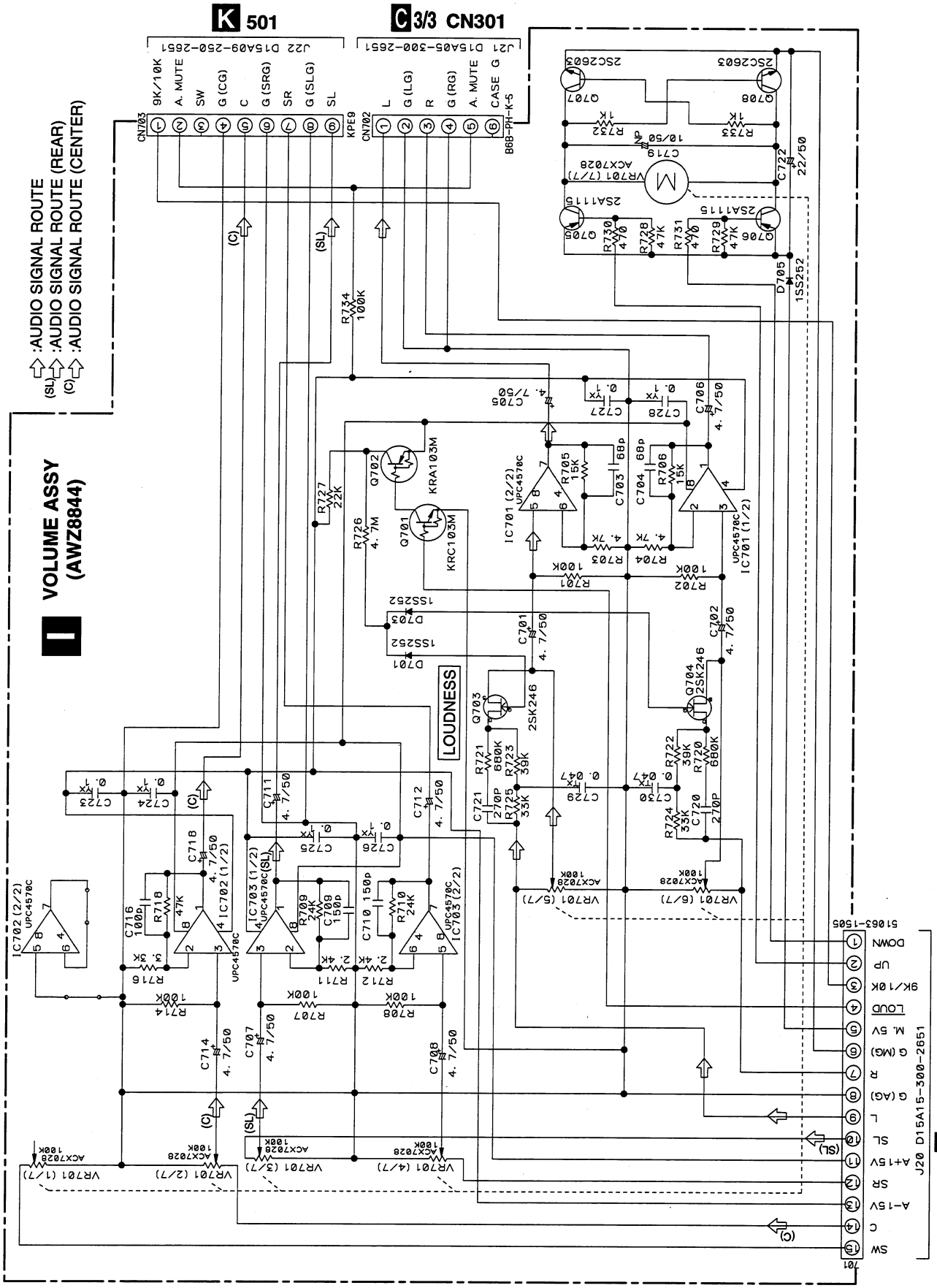


H PRO LOGIC ASSY (AWZ8510)

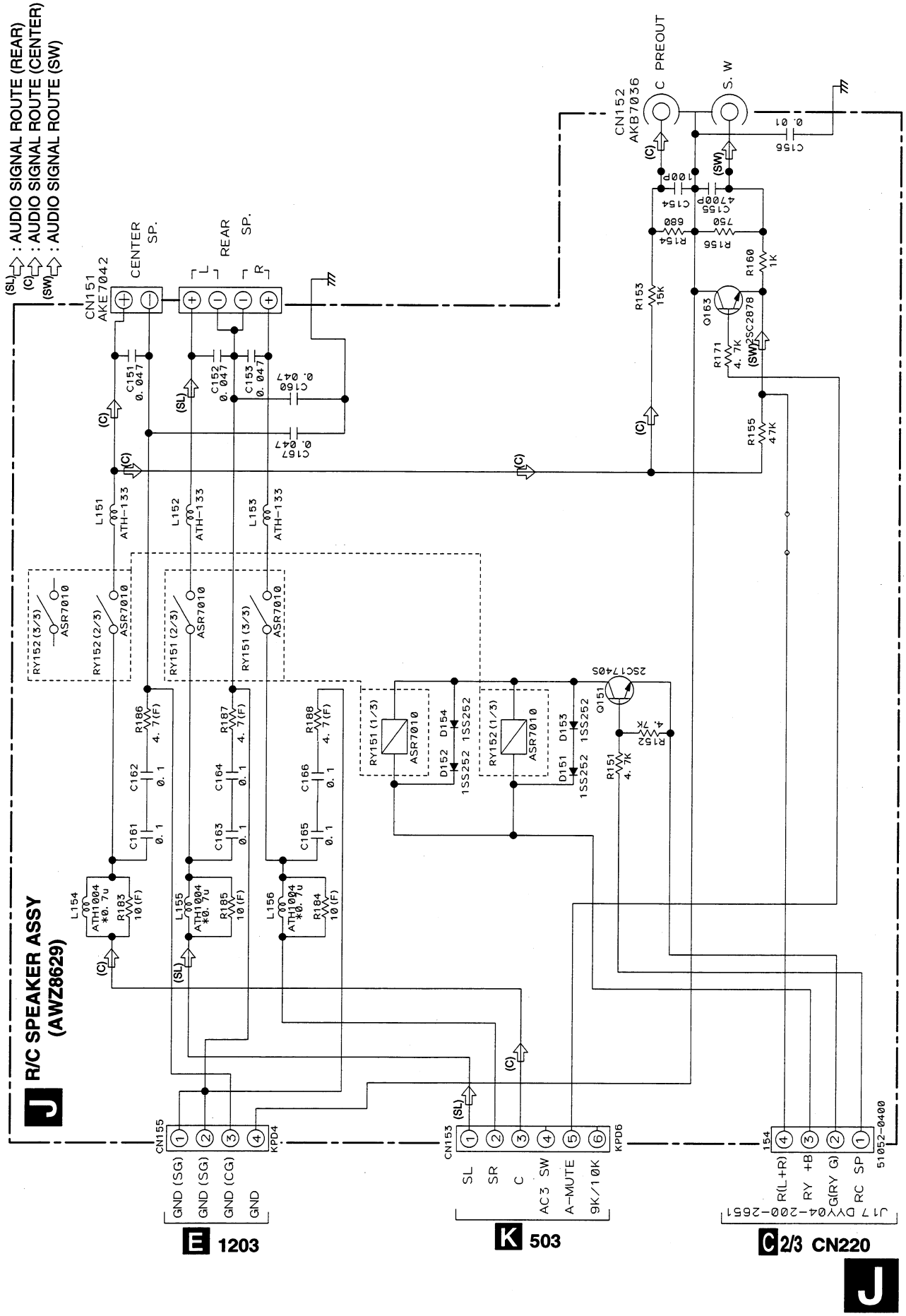
	4052C	5D CONT
5-D	L	L
EXCEPT 5-D	H	H


:AUDIO SIGNAL ROUTE
:AUDIO SIGNAL ROUTE (REAR)
:AUDIO SIGNAL ROUTE (CENTER)
5-D THEATER
IC3002
TC4052BP
IC3002
2ch. 5-D
Dolby. 5-D Dolby
IC MUTE
SFC
CN3001
L
G (AG)
R
G (AG)
FL
G (AG)
FR
G (AG)
SL
G (AG)
SR
G (AG)
C
G (AG)
DIRECT
KP200TA15L
1/3 CN408
CN3002
NC
NC
NC
A+15
A-15
KP200TA5L
2/3 CN212
IC3012
NJM78M09FA
+9V
+15V
-15V
IC3003
M51132L
VCA
#---RN1/4PC****F type

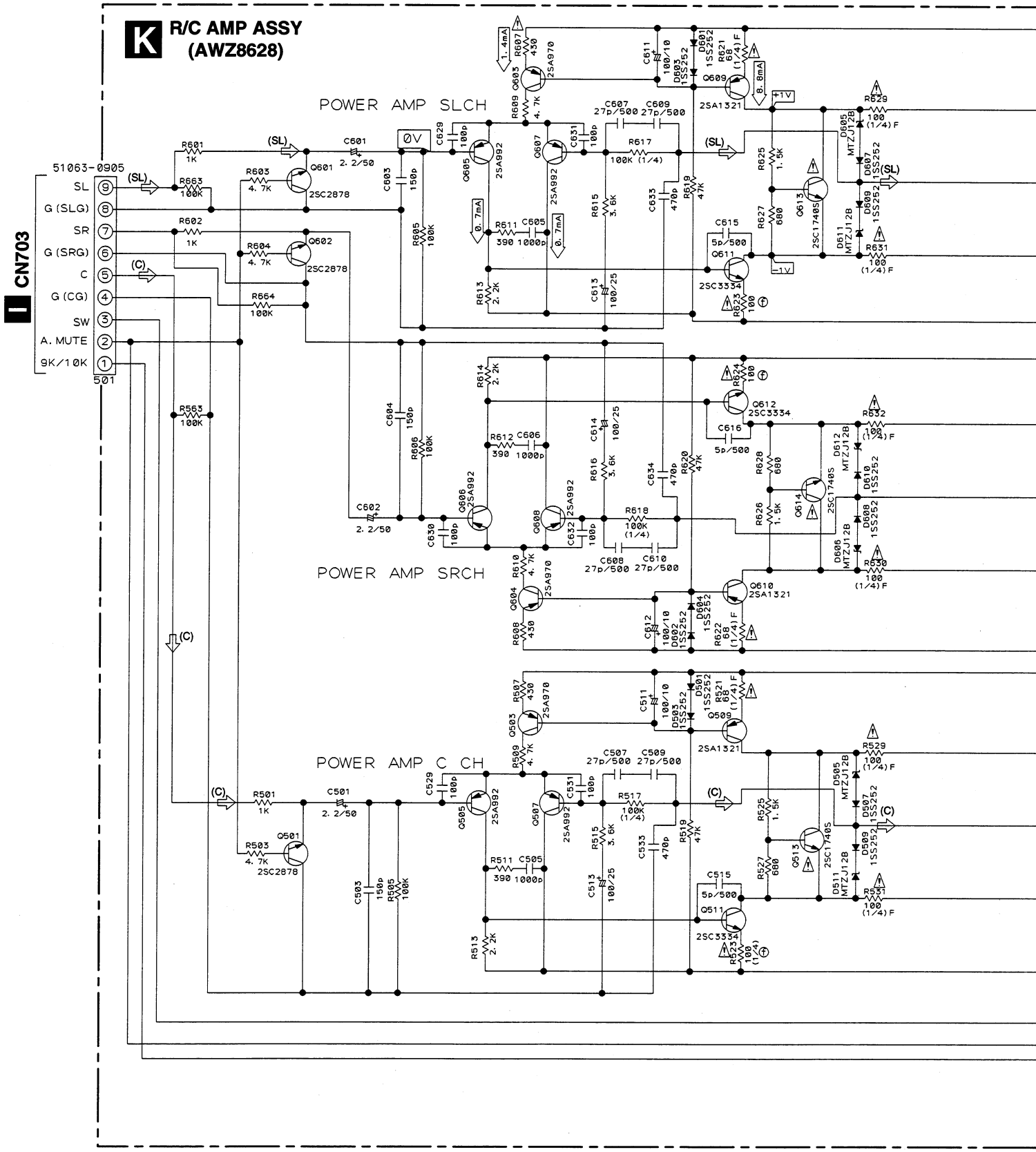
3.7 VOLUME ASSY

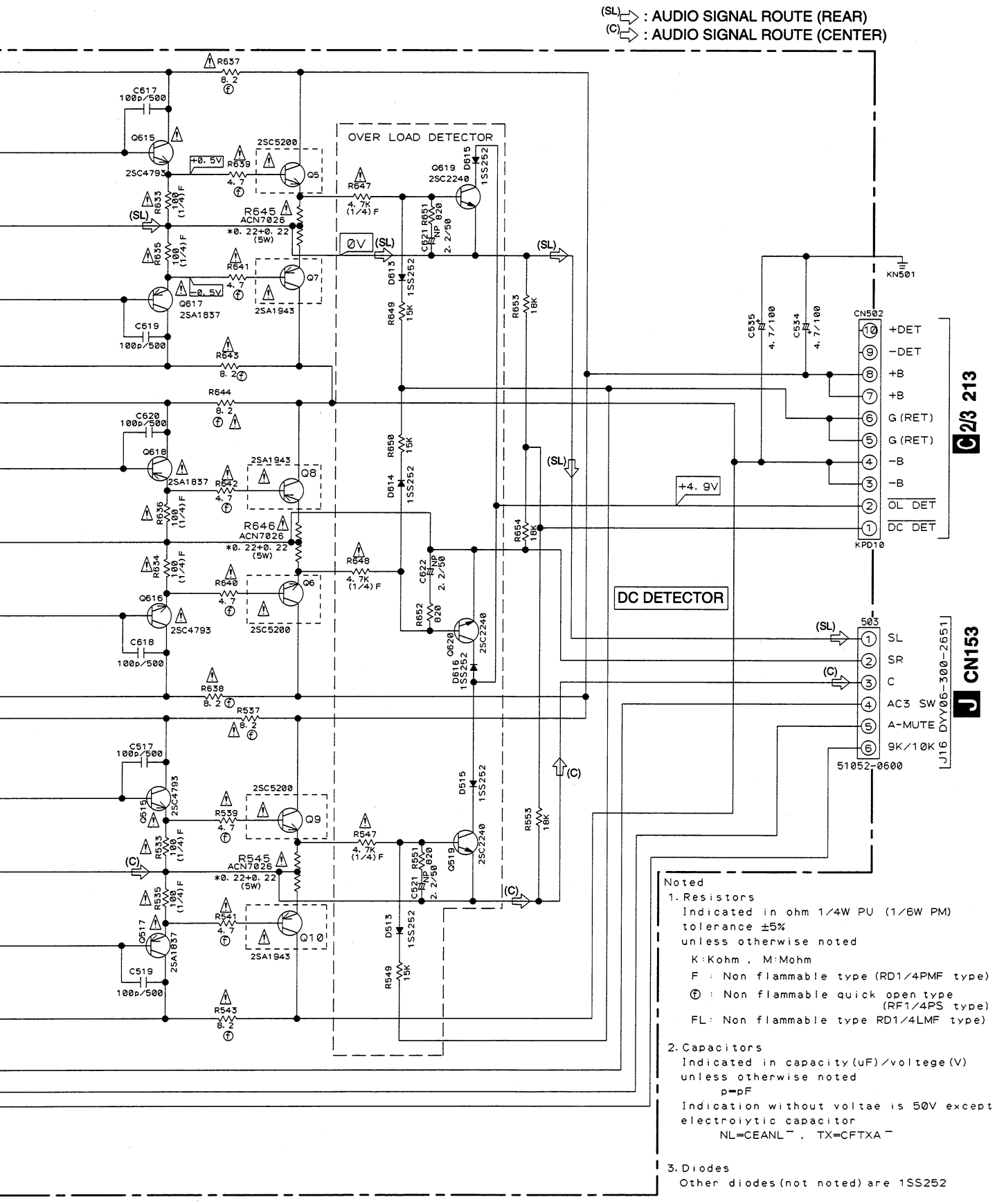


3.8 R/C SPEAKER ASSY



3.9 R/C AMP ASSY





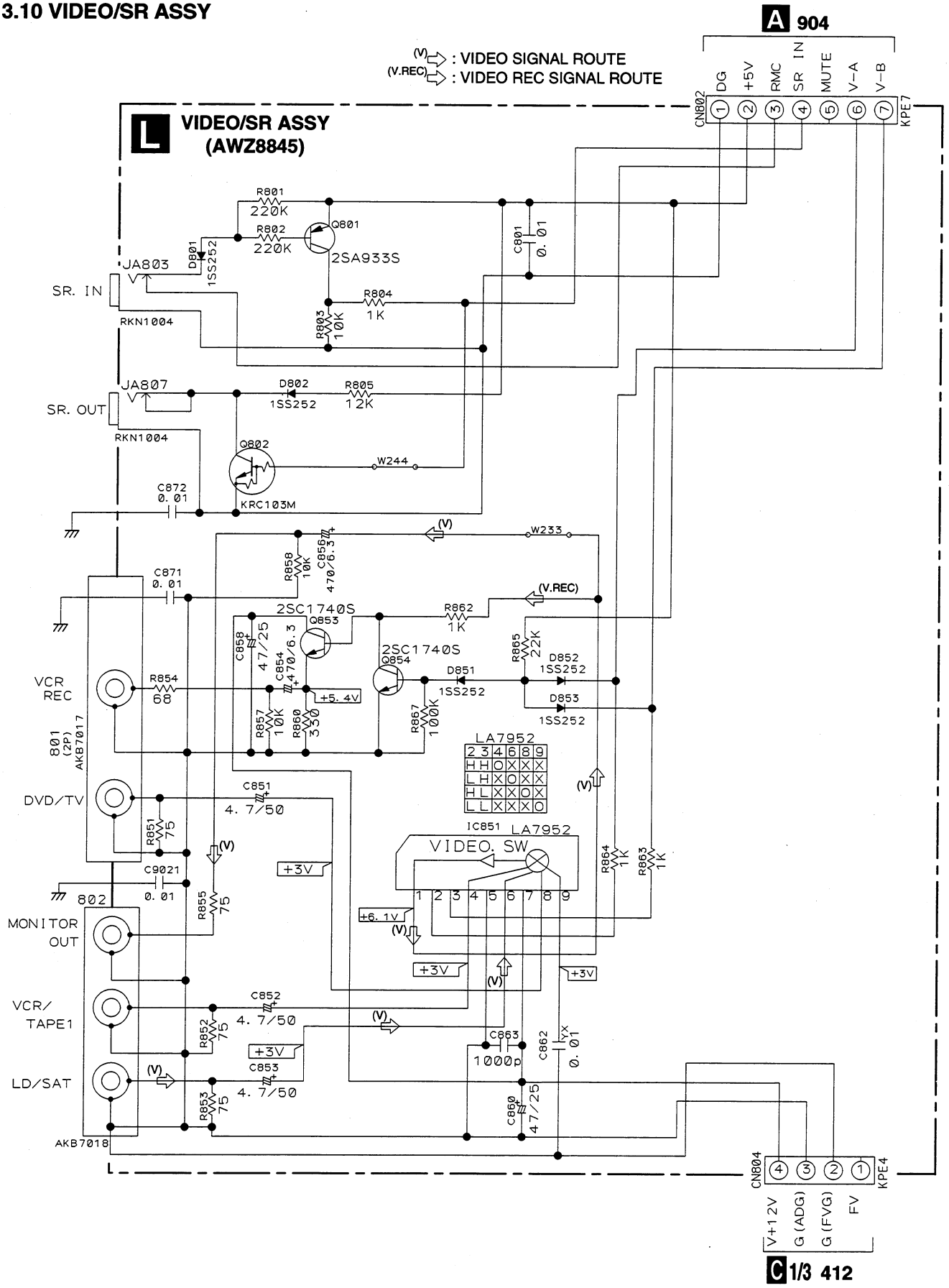
Noted

1. Resistors
   Indicated in ohm 1/4W PU (1/6W PM)
   tolerance ±5%
   unless otherwise noted
   K:Kohm , M:Mohm
   F : Non flammable type (RD1/4PMF type)
   Ⓕ : Non flammable quick open type (RF1/4PS type)
   FL: Non flammable type RD1/4LMF type)

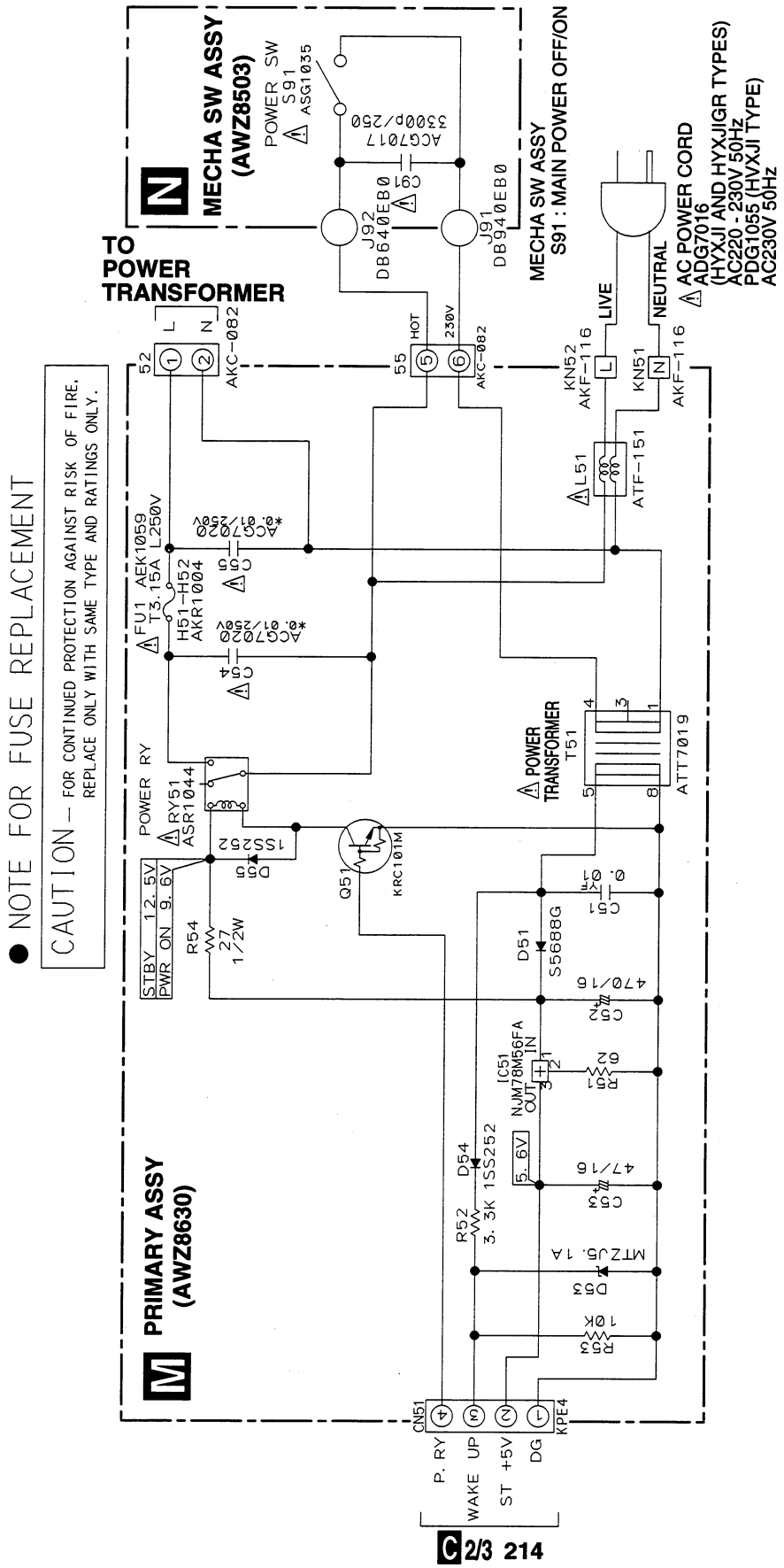
2. Capacitors
   Indicated in capacity(uF)/voltege(V)
   unless otherwise noted
   p=pF
   Indication without voltae is 50V except electroiytic capacitor
   NL=CEANL⁻ , TX=CFTXA⁻

3. Diodes
   Other diodes(not noted) are 1SS252

3.10 VIDEO/SR ASSY



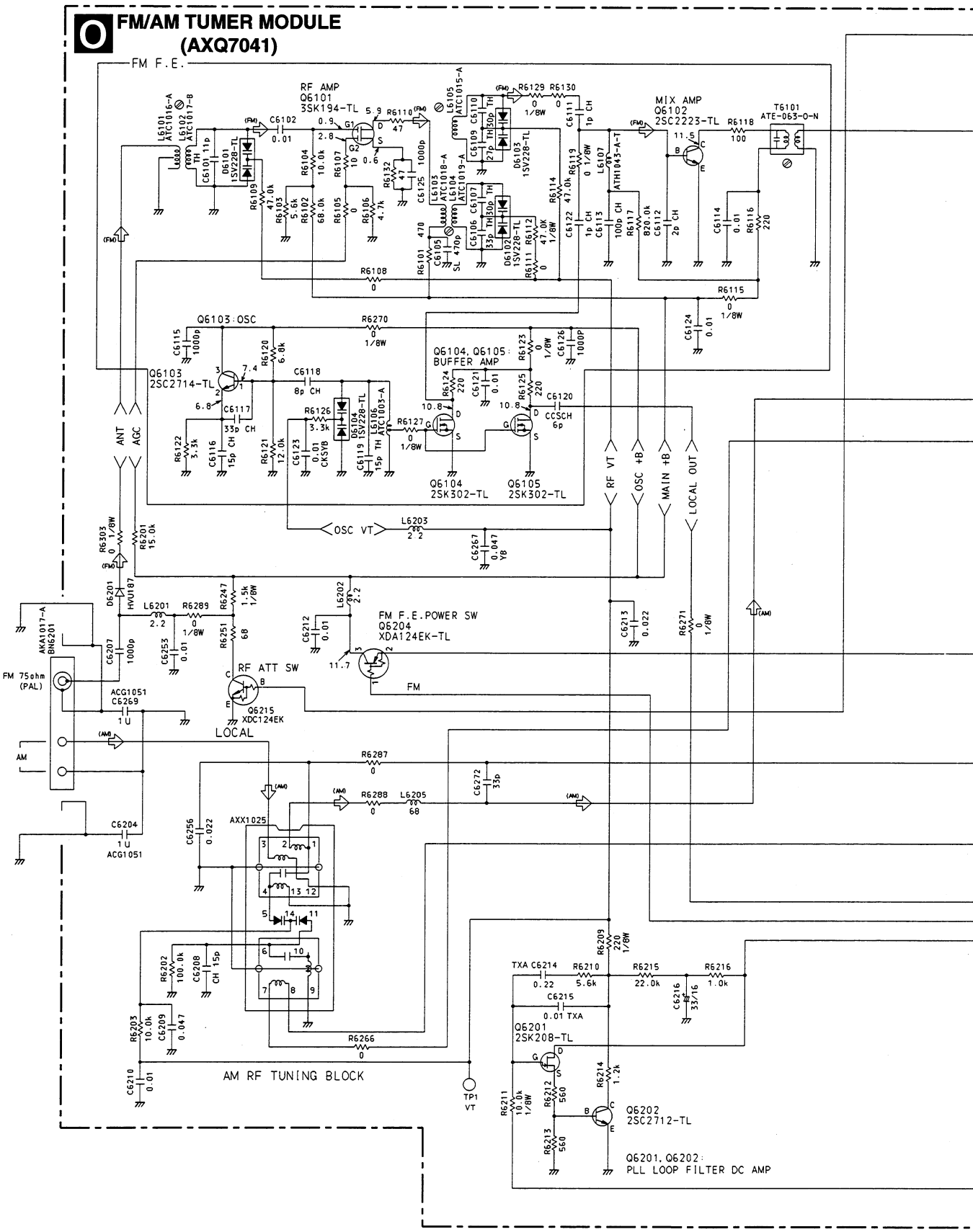
3.11 PRIMARY ASSY AND MECHA SW ASSY

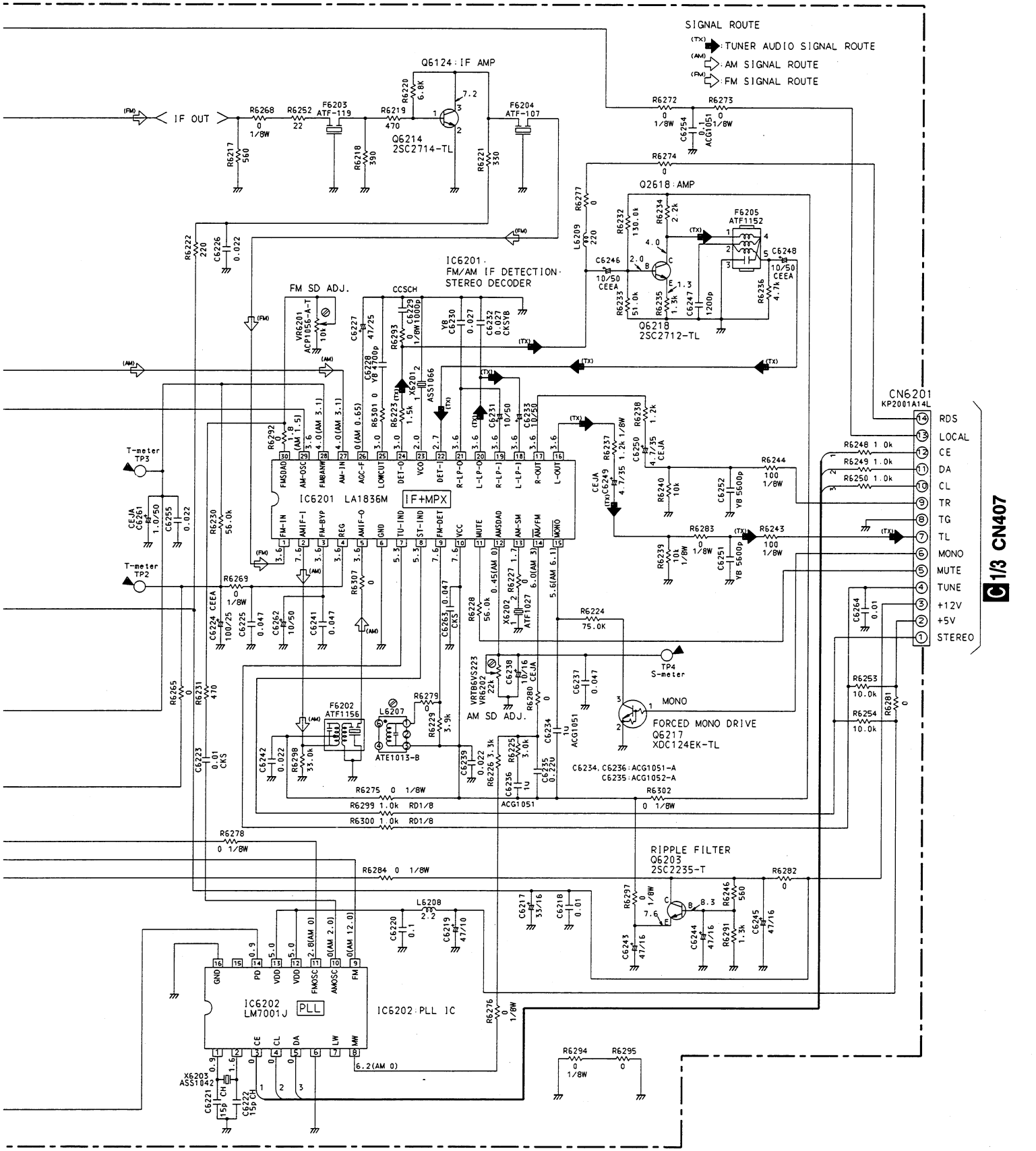


● NOTE FOR FUSE REPLACEMENT

CAUTION– FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE AND RATINGS ONLY.

3.12 FM/AM TUNER MODULE




SIGNAL ROUTE
(TX): TUNER AUDIO SIGNAL ROUTE
(AM): AM SIGNAL ROUTE
(FM): FM SIGNAL ROUTE
Q6124 : IF AMP
Q6214 2SC2714-TL
IF OUT
F6203 ATF-119
F6204 ATF-107
Q2618 : AMP
F6205 ATF1152
Q6218 2SC2712-TL
IC6201 · FM/AM IF DETECTION · STEREO DECODER
FM SD ADJ.
CCSCH
IC6201 LA1836M
IF+MPX
CN6201 KP2001A14L
RDS
LOCAL
CE
DA
CL
TR
TG
TL
MONO
MUTE
TUNE
+12V
+5V
STEREO
1/3 CN407
T-meter TP3
T-meter TP2
TP4 S-meter
AM SD ADJ.
F6202 ATF1156
ATE1013-B
MONO
FORCED MONO DRIVE
Q6217 XDC124EK-TL
C6234, C6236 : ACG1051-A
C6235 : ACG1052-A
RIPPLE FILTER
Q6203 2SC2235-T
IC6202 LM7001J
PLL
IC6202 : PLL IC
X6203 ASS1042

4. PCB CONNECTION DIAGRAM

4.1 R/C SPEAKER ASSY, FRONT SP ASSY AND MECHA SW ASSY

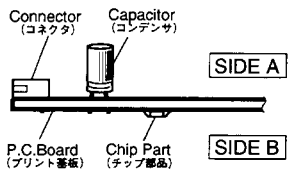
NOTE FOR PCB DIAGRAMS

1. Part numbers in PCB diagrams match those in the schematic diagrams.
2. A comparison between the main parts of PCB and schematic diagrams is shown below.

Symbol in PCB Diagrams	Symbol in Schematic Diagrams	Part Name
B C E	B C E B C E	Transistor
B C E	B C E B C E	Transistor with resistor
D G S	D G S D G S	Field effect transistor
		Resistor array
		3-terminal regulator

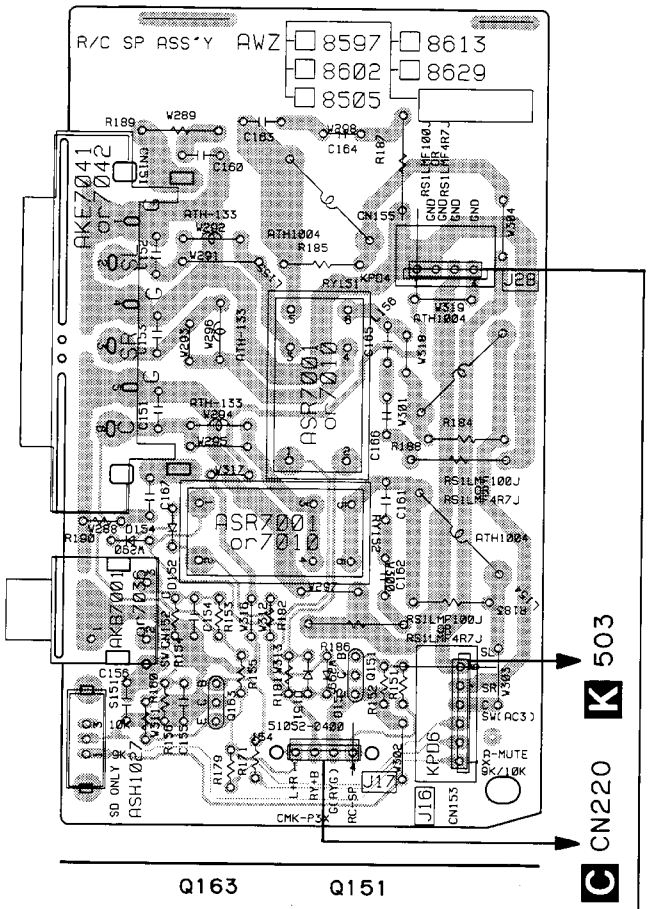
3. The parts mounted on this PCB include all necessary parts for several destination.
   For further information for respecitve destinations, be sure to check with the schematic diagram.

4. Viewpoint of PCB diagrams



SIDE A

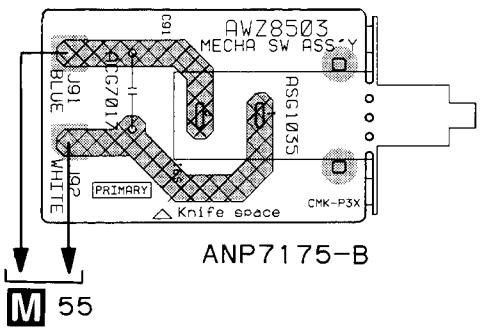
J R/C SPEAKER ASSY



K 503

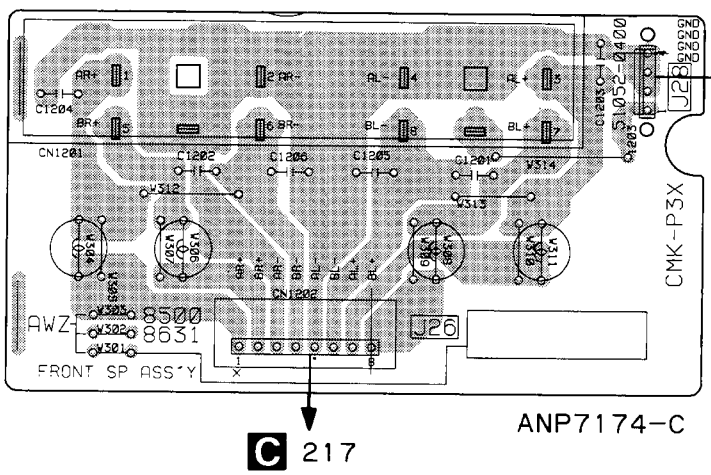
C

N MECHA SW ASSY



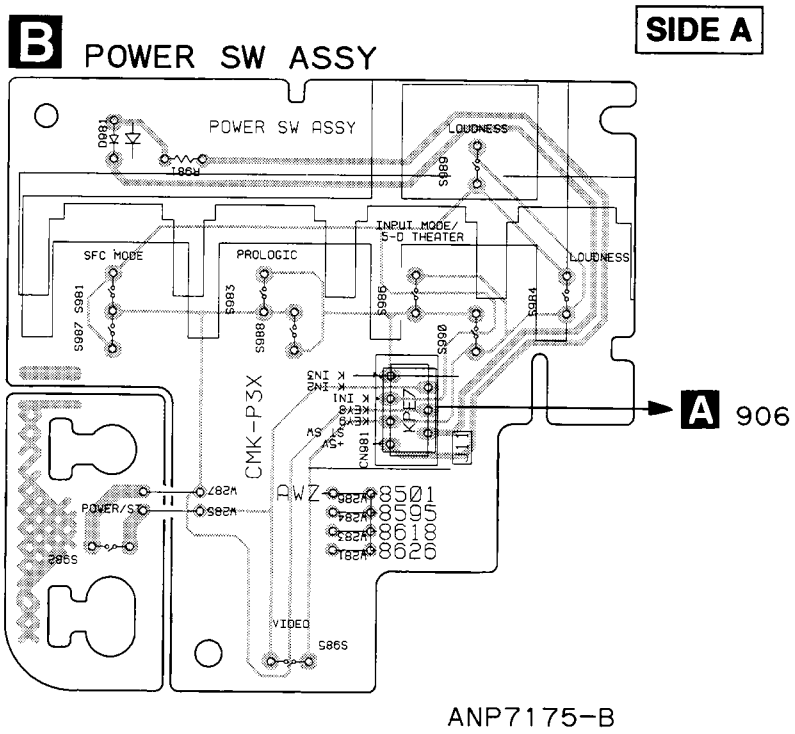
M 55

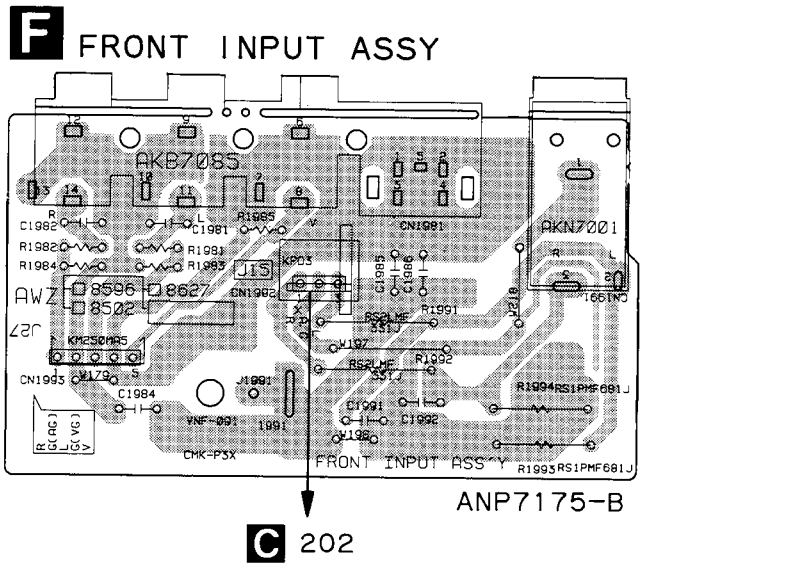
E FRONT SP ASSY



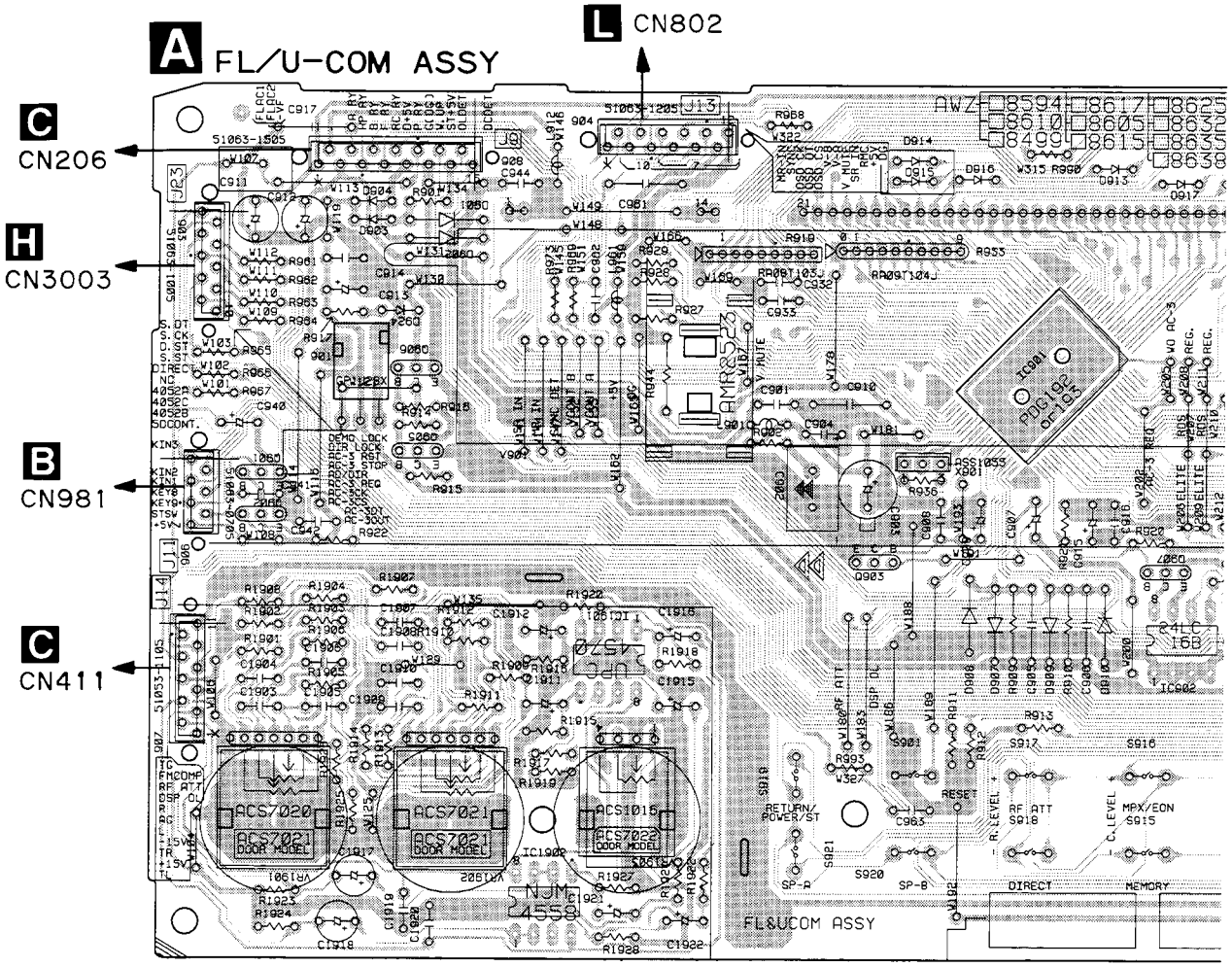
C 217

4.2 POWER SWITCH ASSY AND FRONT INPUT ASSY

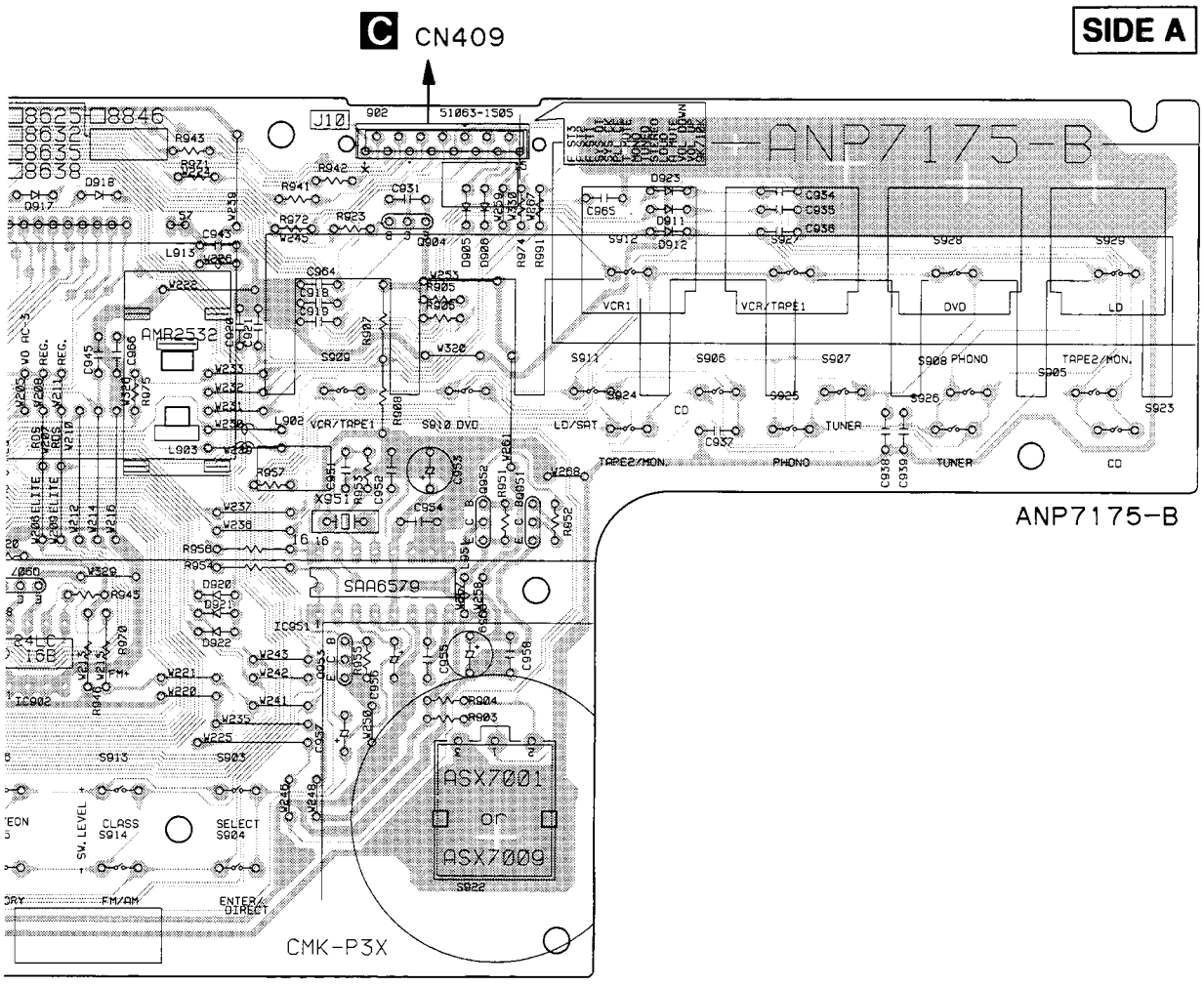




4.3 FL/U-COM ASSY



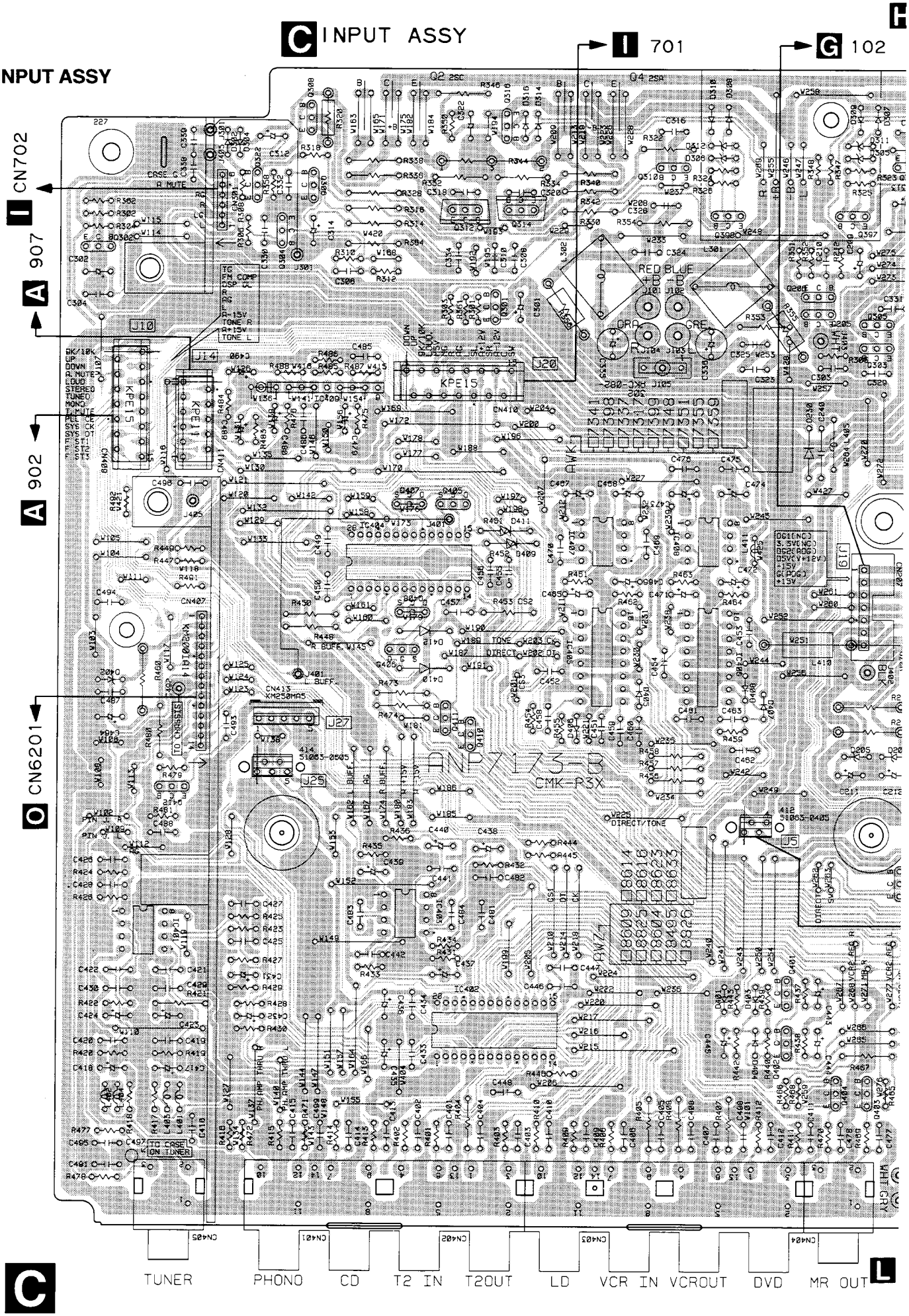
VR1901	VR1902	VR1903			
Q901	Q906	IC1901	Q903	IC901	Q907
Q902	Q905	IC1902			IC902

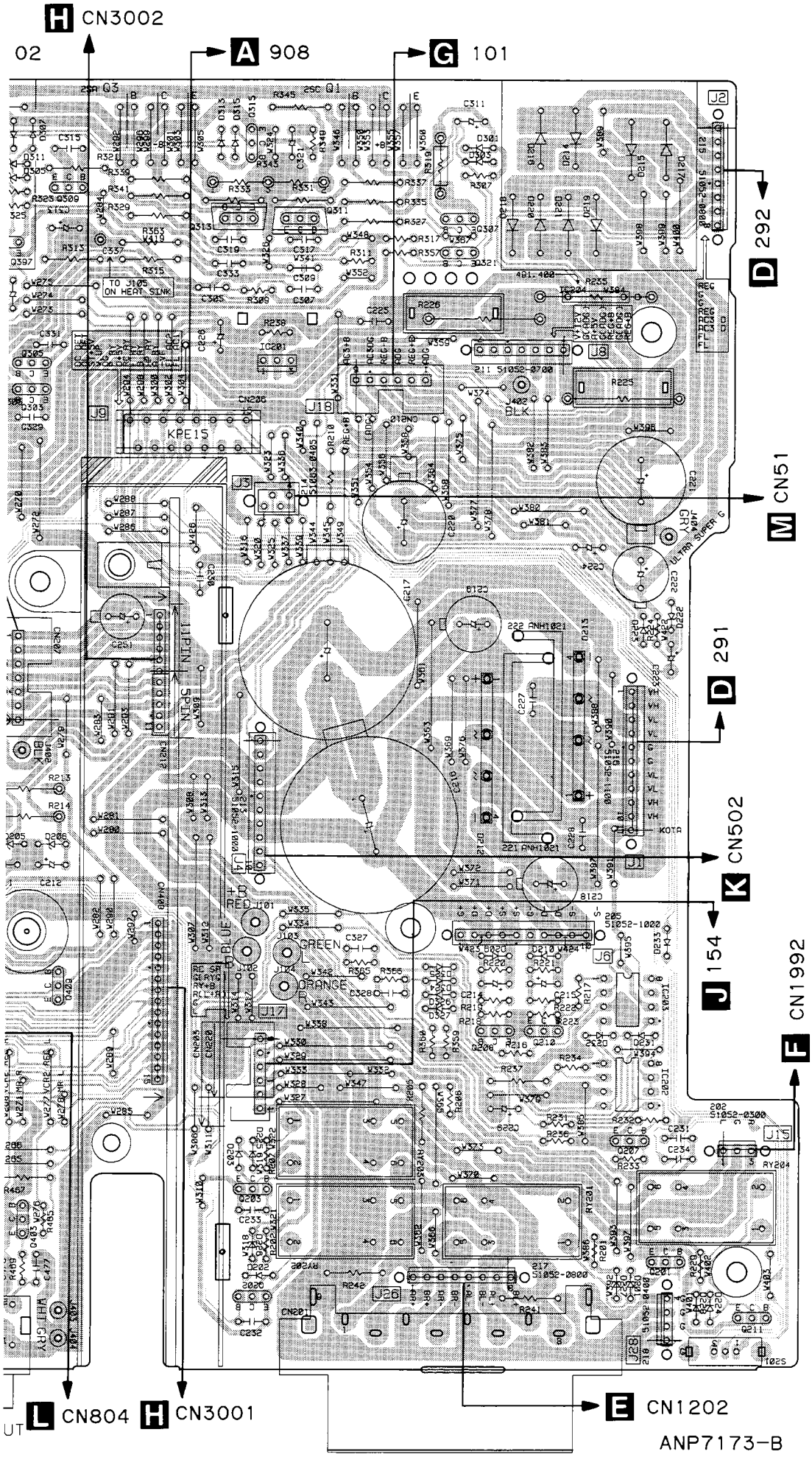


907
C902

Q904 Q952 Q951
IC951
Q953

4.4 INPUT ASSY





SIDE A

						IC409	Q301	Q302	Q322 Q308
							Q205	Q304	Q306 Q316
							Q206	Q312	Q310 Q315
							Q303	Q314	Q309
							Q305	Q398	Q313
							IC201	Q397	Q311
								Q321	Q307

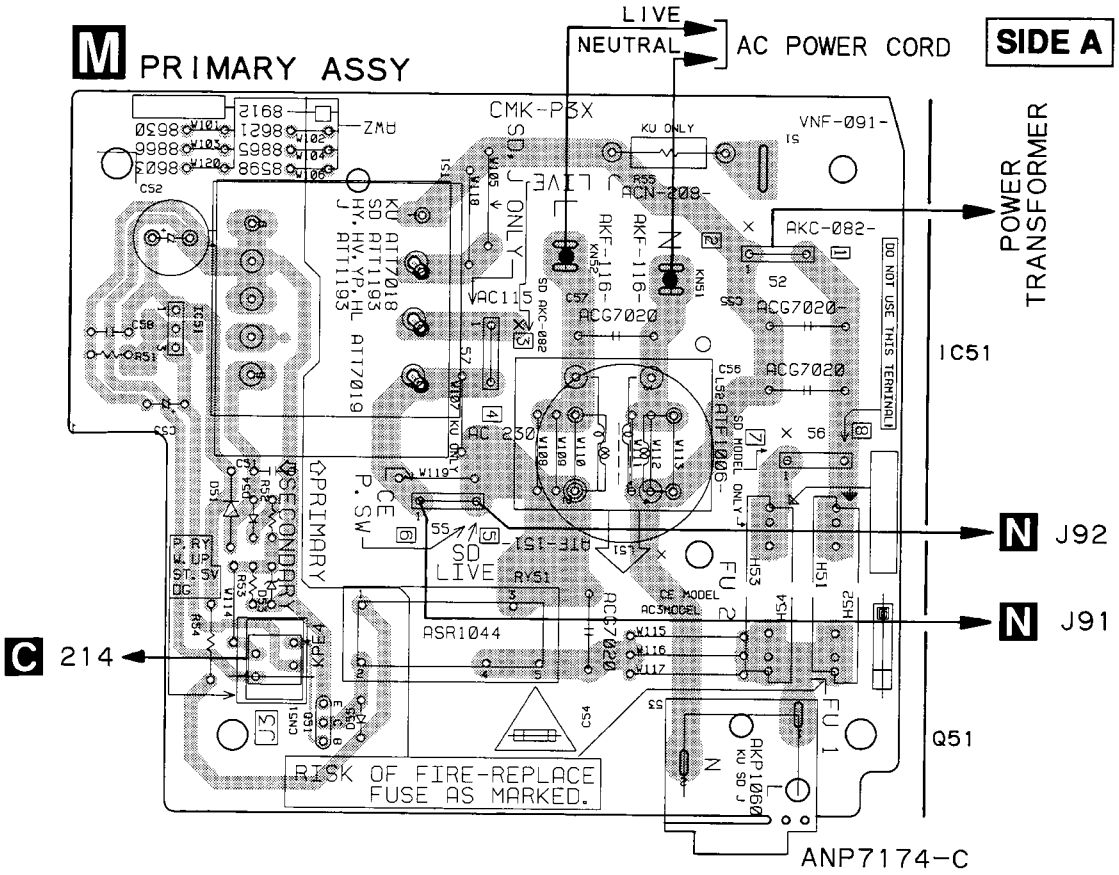
					Q412	Q411	Q406 Q408	Q407	
						Q410	IC405 IC404	Q405	
							IC406 IC407		
								IC408	

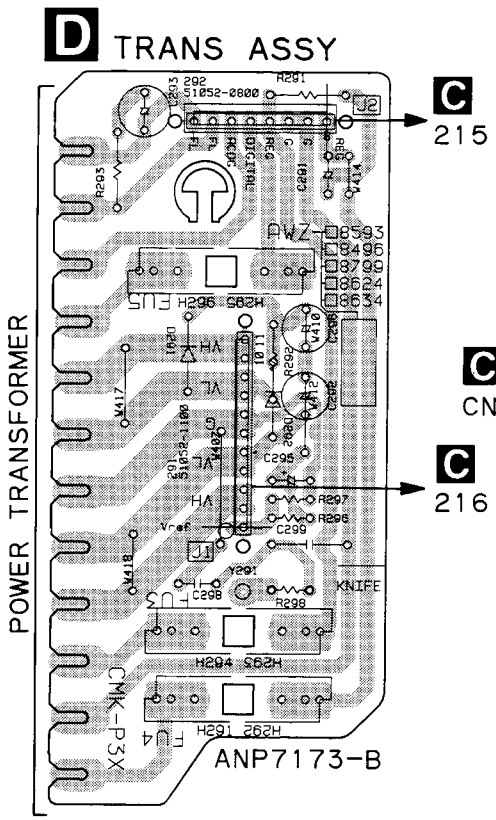
				IC401					
				IC403					
				Q409					
				Q208					
				Q210					
				IC203					

Q202	Q404	IC402	Q401						
Q201	Q403	Q402	IC202						
Q211		Q203							
		Q207							

C

4.5 TRANS ASSY, REG.1 ASSY AND PRIMARY ASSY



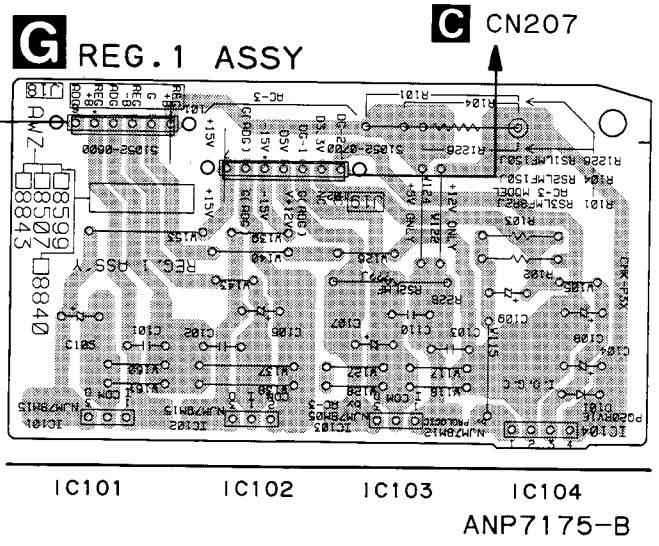


Line Voltage Selection

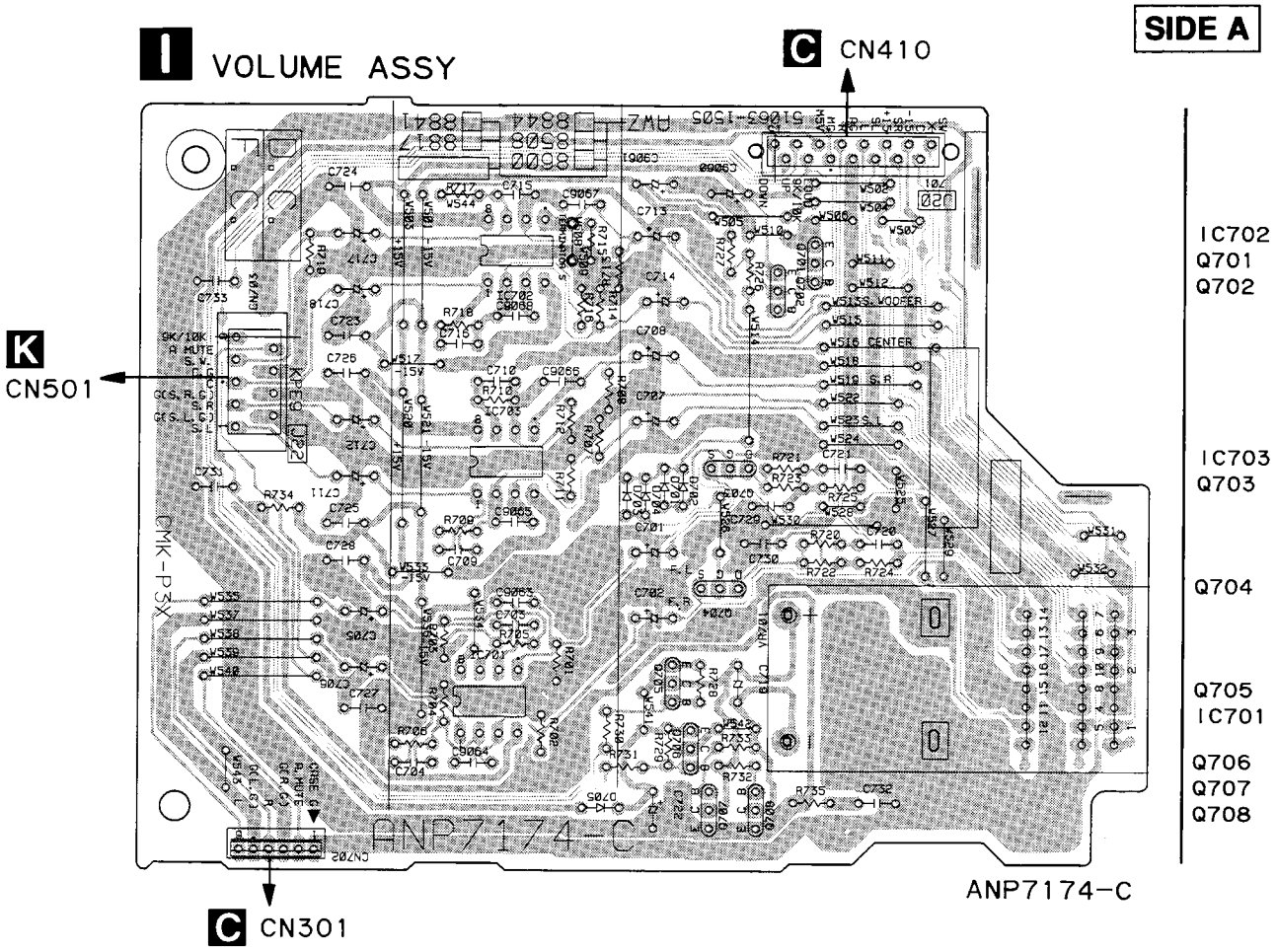
Line Voltage can be changed by the following modification:

1. Disconnect the AC power cord.
2. Remove the cover.
3. Change the connection of the power transformer primary taps.
4. Stick a line voltage label on the rear panel.

Part No.	Description
AAX-193	220V label
AAX-192	240V label



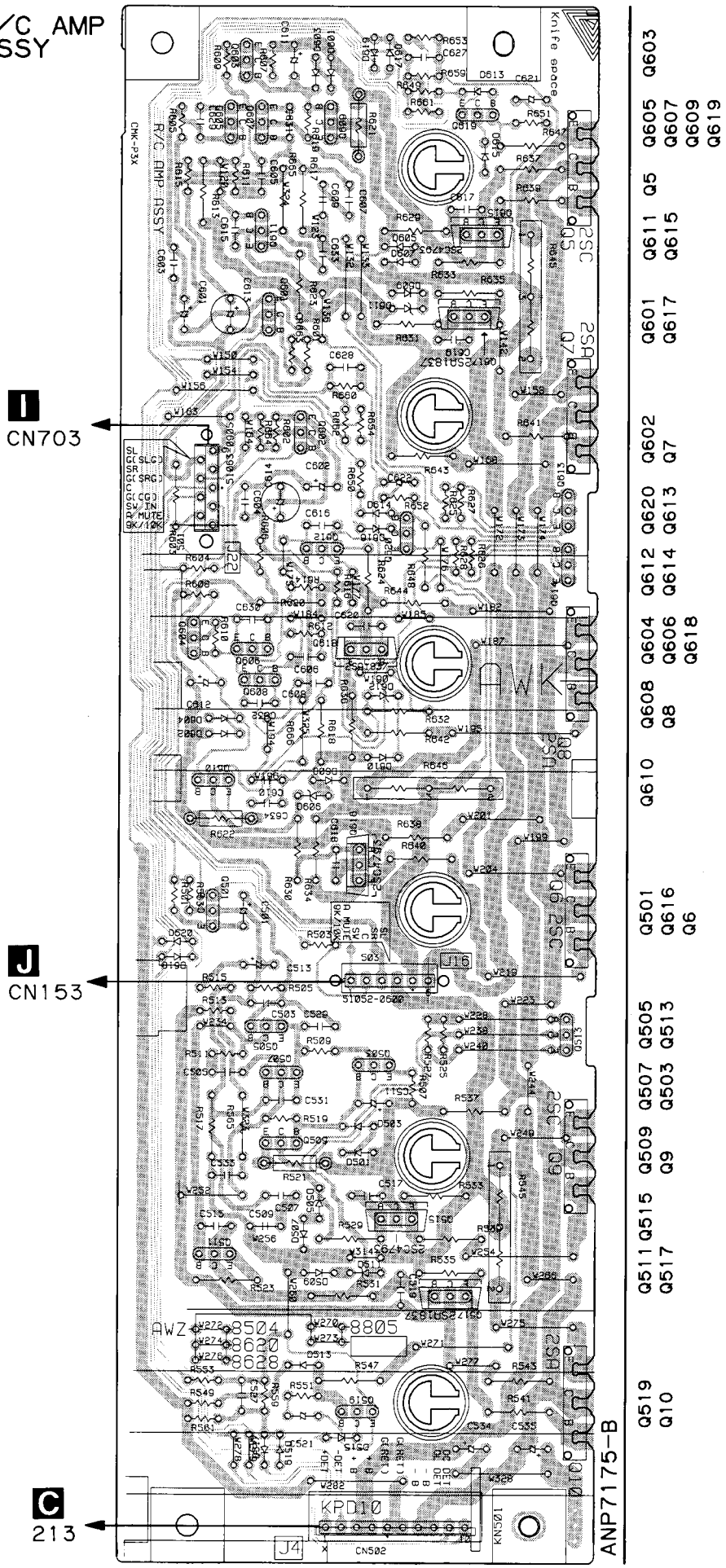
4.6 VOLUME ASSY



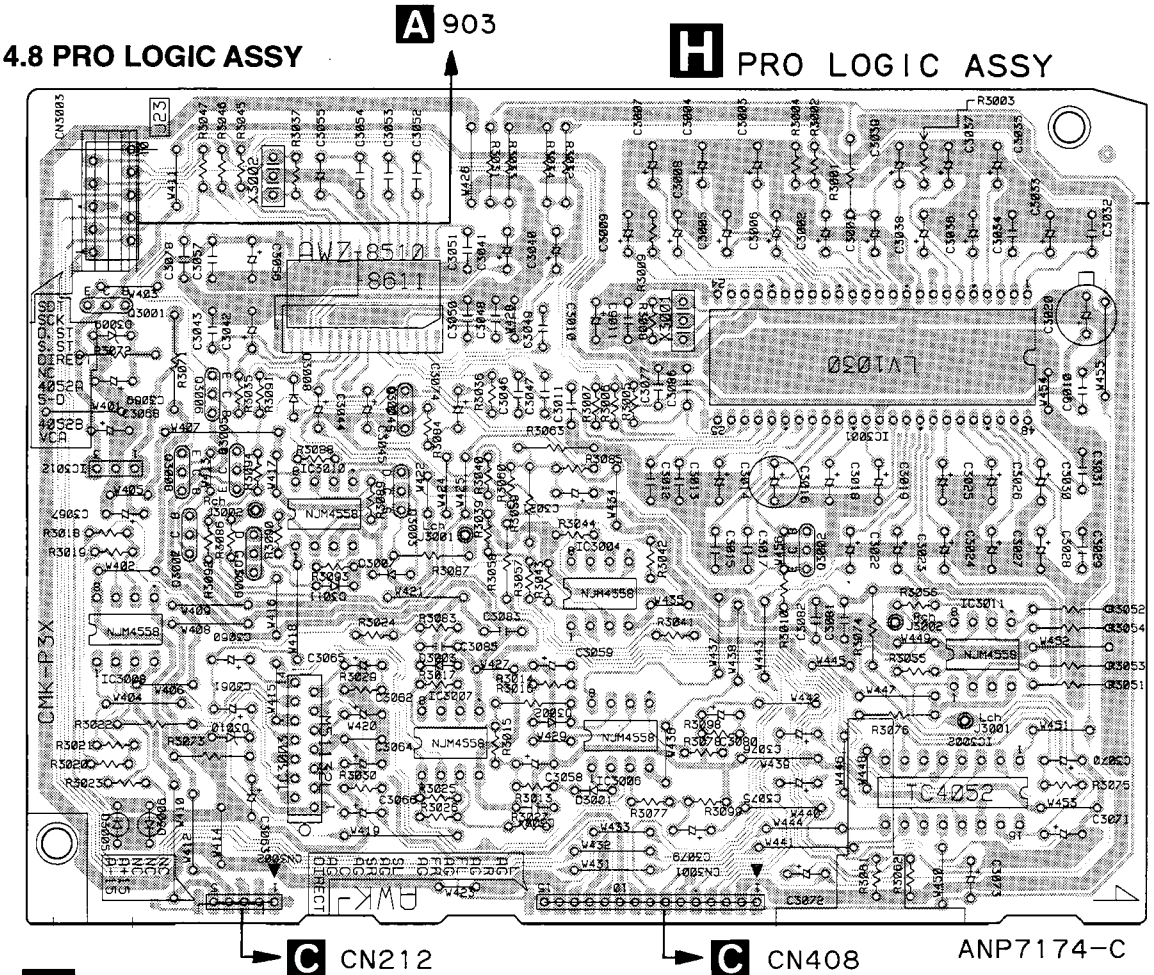
4.7 R/C AMP ASSY

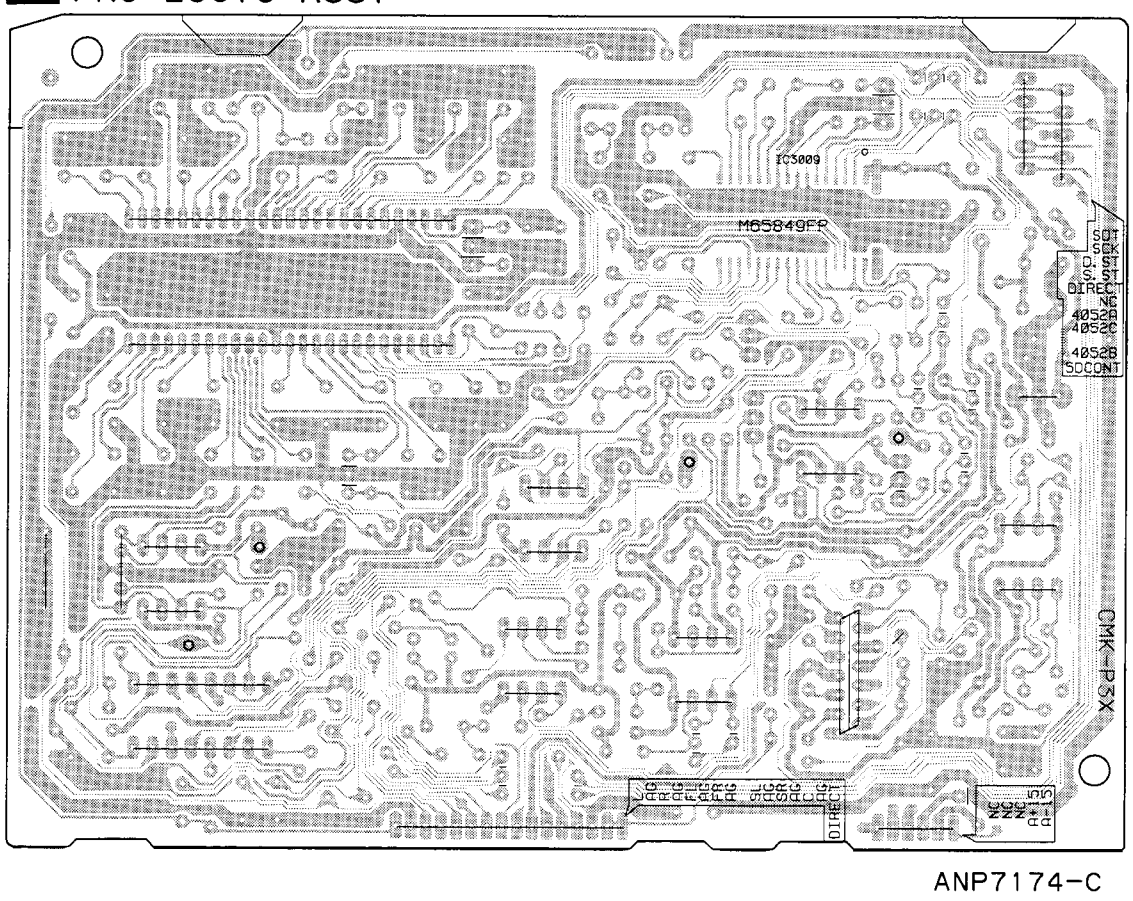
K R/C AMP ASSY

SIDE A



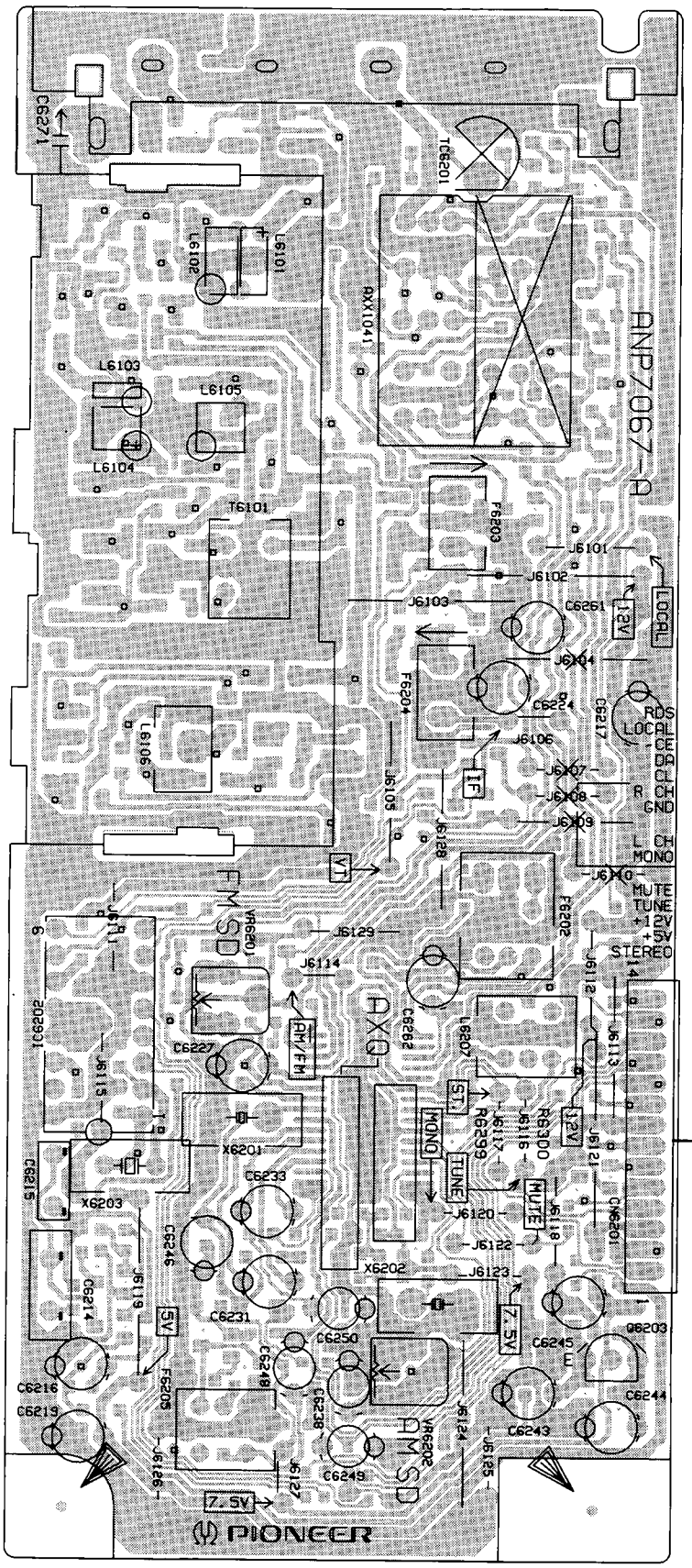
4.8 PRO LOGIC ASSY



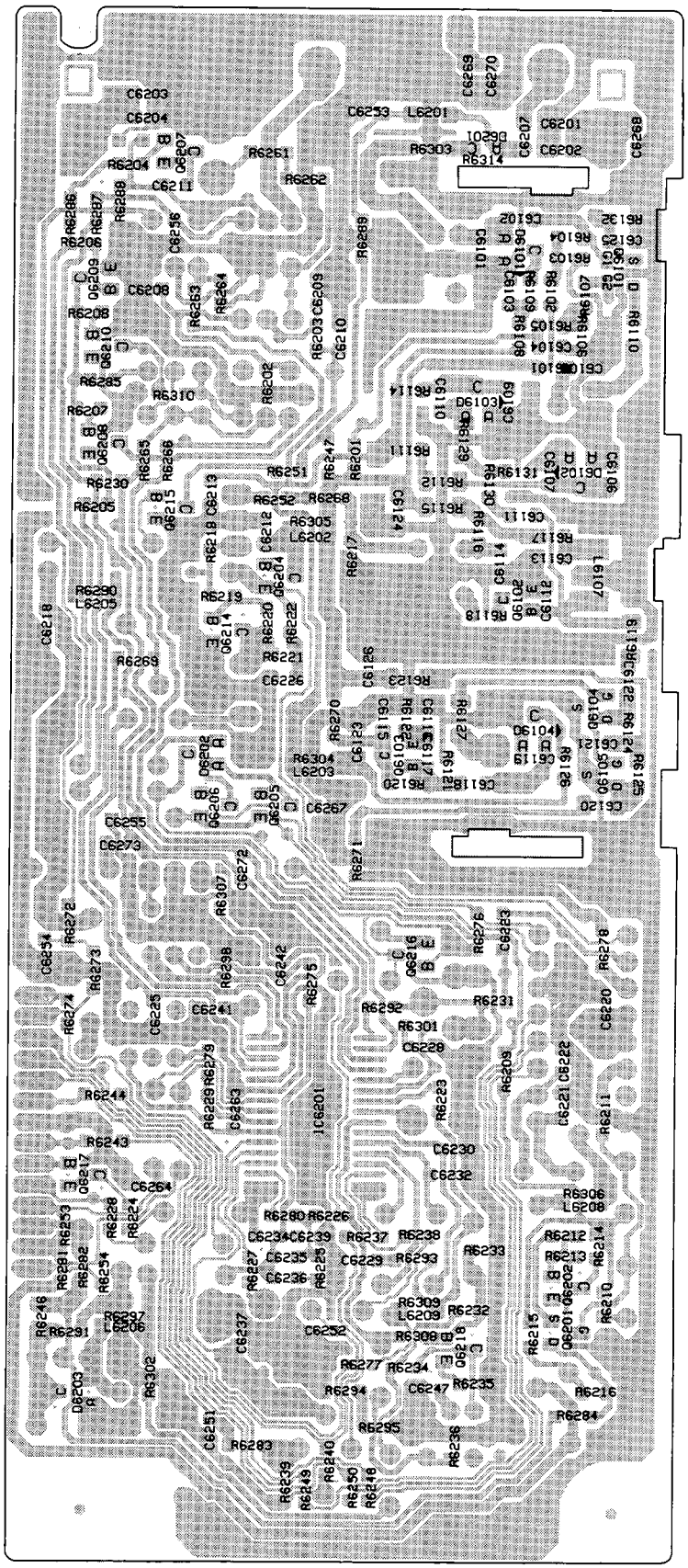


4.9 FM/AM TUNER MODULE

FM/AM TUNER MODULE



FM/AM TUNER MODULE

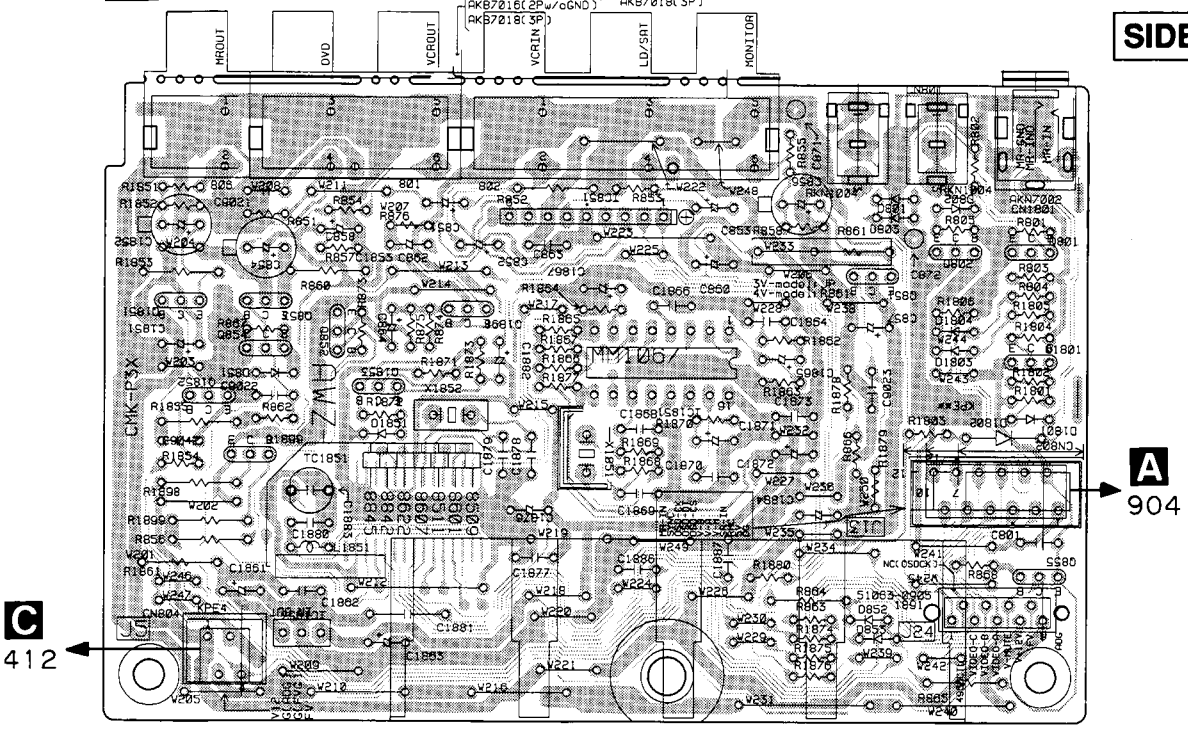


ANP7067-A

4.10 VIDEO/SR ASSY

L VIDEO/SR ASSY

SIDE A

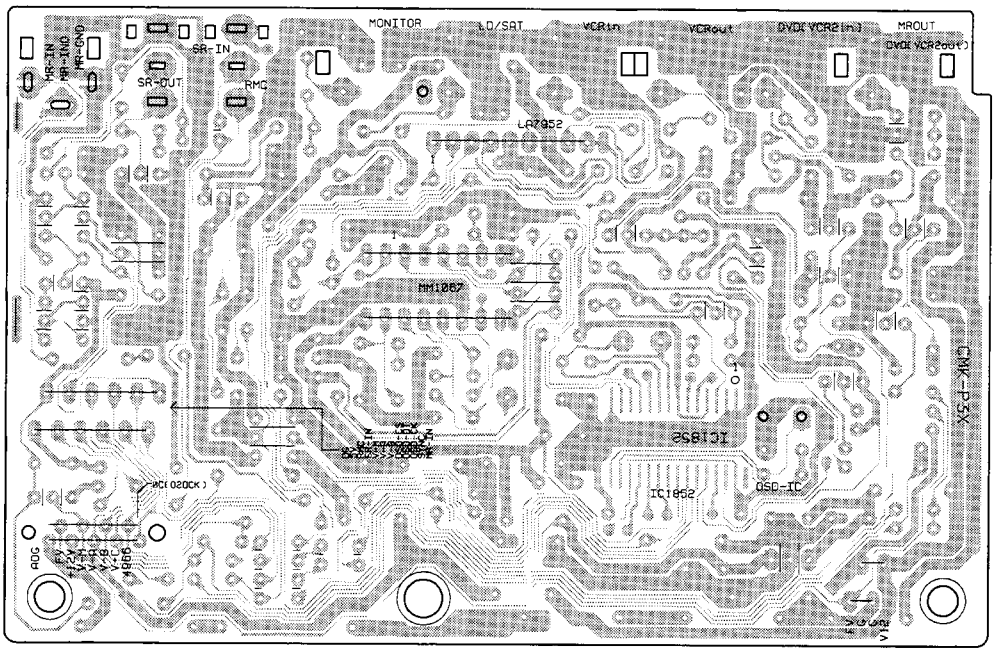


Q1851 Q853 Q852 Q1853 Q1898 IC851 IC1851 Q851 Q802 Q801
Q1852 Q854 IC1853 Q1801
Q1899 Q855

ANP7174-C

L VIDEO/SR ASSY

SIDE B



ANP7174-C

5. PCB PARTS LIST

NOTES:

- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *When ordering resistors, first convert resistance values into code form as shown in the following examples.*

Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J = 5%, and K = 10%).

560Ω	→	*56 × 10¹*	→	*561* ..... *RD1/4PU 5 6 1 J*
47kΩ	→	*47 × 10³*	→	*473* ..... *RD1/4PU 4 7 3 J*
0.5Ω	→	*R50*		..... *RN2H R 5 0 K*
1Ω	→	*1R0*		..... *RS1P 1 R 0 K*

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62kΩ	→	*562 × 10¹*	→	*5621* ..... *RN1/4PC 5 6 2 1 F*

Mark	No.	Description	Parts No.
LIST OF ASSEMBLIES			
NSP		MOTHER ASSY	AWK7355
		├ INPUT ASSY	AWZ8623
		└ TRANS ASSY	AWZ8624
NSP		FRONT & R/C AMP ASSY	AWK7356
NSP		├ MECHA SW ASSY	AWZ8503
		├ FL/U – COM ASSY	AWZ8625
NSP		├ POWER SWITCH ASSY	AWZ8626
NSP		├ FRONT INPUT ASSY	AWZ8627
		├ R/C AMP ASSY	AWZ8628
		├ R/C SPEAKER ASSY	AWZ8629
		└ REG.1 ASSY	AWZ8843
NSP		COMPLEX ASSY	AWK7357
		├ PRO LOGIC ASSY	AWZ8510
NSP		├ PRIMARY ASSY	AWZ8630
NSP		├ FRONT SP ASSY	AWZ8631
		├ VOLUME ASSY	AWZ8844
		└ VIDEO/SR ASSY	AWZ8845
		FM/AM TUNER MODULE	AXQ7041
C INPUT ASSY			
SEMICONDUCTORS			
	IC201	REGULATOR IC	NJM78M56FA
	IC401	OP – AMP – IC	M5220P
	IC402	ANALOG SWITCH IC	TC9273N – 007
	IC403	OP – AMP IC	NJM4558D – D
	IC409	OP – AMP IC	UPC4570HA
	Q201 – Q203	TRANSISTOR	KRC101M
	Q205, Q206	TRANSISTOR	2SC1740S
	Q211	TRANSISTOR	KRC101M
	Q301, Q302	TRANSISTOR	2SC2878
	Q303 – Q306	TRANSISTOR	2SA992
⚠	Q307, Q308	TRANSISTOR	2SA1321
⚠	Q309, Q310	TRANSISTOR	2SC3334
⚠	Q311, Q312	TRANSISTOR	2SC4793
⚠	Q313, Q314	TRANSISTOR	2SA1837
	Q315, Q316	TRANSISTOR	2SC2240
	Q321, Q322	TRANSISTOR	2SA970
	Q397, Q398	TRANSISTOR	2SC1740S
	Q405 – Q408	N – FET	2SK246
	Q409	TRANSISTOR	KRA103M
	Q410 – Q411	TRANSISTOR	KRC103M

Mark	No.	Description	Parts No.
	Q412	TRANSISTOR	2SC2668
	D201 – D203	DIODE	1SS252
	D212, D213	BRIDGE DIODE	D15XB20
	D214 – D217	DIODE	S5688G
	D222	ZENER DIODE	MTZJ4.3C
	D224 – D228	DIODE	1SS252
	D230	DIODE	1SS252
	D301 – D304	DIODE	1SS252
	D305, D306	ZENER DIODE	MTZJ12B
	D307 – D310	DIODE	1SS252
	D311, D312	ZENER DIODE	MTZJ12B
	D313 – D316	DIODE	1SS252
	D402	ZENER DIODE	MTZJ5.1B
	D409 – D412	DIODE	1SS252
COILS AND FILTERS			
	L301, L302	COIL (53µH)	ATH1009
	L401 – L404	AXIAL INDUCTOR	LAU221J
	L410, L411	AXIAL INDUCTOR	LAU100J
SWITCHES AND RELAYS			
	RY201 – RY204	RELAY	ASR7010
CAPACITORS			
	C209	ELECT. CAPACITOR	CEAS221M10
	C210	CERAMIC CAPACITOR	CKCYB102K50
	C216	ELECT. CAPACITOR (10000µF/56V)	ACH7014
	C217	ELECT. CAPACITOR (10000µF/56V)	ACH7020
	C221	ELECT. CAPACITOR	CEAS222M35
	C222	ELECT. CAPACITOR	CEAS102M35
	C223	ELECT. CAPACITOR	CEAS470M16
	C224	ELECT. CAPACITOR	CEAS470M35
	C225	CERAMIC CAPACITOR	CKCYF103Z50
	C226	ELECT. CAPACITOR	CEAS101M10
	C230	CERAMIC CAPACITOR	CGCYX103M16
	C240	CERAMIC CAPACITOR	CKPUYF103Z25
	C301, C302	ELECT. CAPACITOR	CEAS2R2M50
	C303, C304	CERAMIC CAPACITOR	CCCSL151J50

Mark	No.	Description	Parts No.
	C305, C306	CERAMIC CAPACITOR	CKCYB102K2H
	C307 – C310	CERAMIC CAPACITOR	CCCSL220K2H
	C311, C312	ELECT. CAPACITOR	CEAS101M10
	C313, C314	ELECT. CAPACITOR	CEAS101M25
	C315, C316	CERAMIC CAPACITOR	CCCSL5R0C2H
	C317 – C320	CERAMIC CAPACITOR	CCCSL101K2H
	C321, C322	ELECT. CAPACITOR	CEANP2R2M50
	C323 – C326	AUDIO FILM CAPACITOR	CFTXA104J50
	C329 – C332	CERAMIC CAPACITOR	CCCSL101J50
	C333, C334	CERAMIC CAPACITOR	CCCSL471J50
	C335, C336	ELECT. CAPACITOR	CEAS4R7M2A
	C337	CERAMIC CAPACITOR	CGDYX104M16
	C339	CERAMIC CAPACITOR	CGCYX104M16
	C401, C402	CERAMIC CAPACITOR	CCCSL101J50
	C403, C404	CERAMIC CAPACITOR	CCCSL471J50
	C405, C406	CERAMIC CAPACITOR	CCCSL101J50
	C407, C408	CERAMIC CAPACITOR	CCCSL221J50
	C409 – C416	CERAMIC CAPACITOR	CCCSL101J50
	C417, C418	ELECT. CAPACITOR	CEAS100M50
	C419, C420	CERAMIC CAPACITOR	CCCCH151J50
	C421, C422	CERAMIC CAPACITOR	CKCYB681K50
	C423, C424	ELECT. CAPACITOR	CEAS101M25
	C425, C426	MYLAR FILM CAPACITOR	CQMA822J50
	C427, C428	MYLAR FILM CAPACITOR	CQMA242J50
	C429, C430	CERAMIC CAPACITOR	CGCYX473M25
	C431, C432	ELECT. CAPACITOR	CEAS4R7M50
	C433, C434	CERAMIC CAPACITOR	CGCYX473M25
	C435, C436	ELECT. CAPACITOR	CEAS470M25
	C437, C438	ELECT. CAPACITOR	CEAS2R2M50
	C439, C440	ELECT. CAPACITOR	CEAS470M25
	C441, C442	CERAMIC CAPACITOR	CGCYX473M25
	C446 – C448	CERAMIC CAPACITOR	CCCSL101J50
	C464	ELECT. CAPACITOR	CEAS470M25
	C479, C480	ELECT. CAPACITOR	CEAS4R7M50
	C481, C482	CERAMIC CAPACITOR	CCCSL101J50
	C483, C484	CERAMIC CAPACITOR	CCCSL331J50
	C485, C486	CERAMIC CAPACITOR	CKCYF103Z50
	C487	CERAMIC CAPACITOR	CGCYX473M25
	C488	CERAMIC CAPACITOR	CGCYX103M16
	C489, C490	ELECT. CAPACITOR	CEAS4R7M50
	C491	CERAMIC CAPACITOR	CGCYX103M16
	C492	CERAMIC CAPACITOR	CCDSL271J50
	C493	CERAMIC CAPACITOR	CKPUYX472M16
	C494, C495	CERAMIC CAPACITOR	CGCYX104M12
	C496	CERAMIC CAPACITOR	CGDYX103M16
	C497	CERAMIC CAPACITOR	CGDYX223M16

RESISTORS

	R210	CARBON FILM RESISTOR	RD1/2PM270J
	R241, R242	CARBON FILM RESISTOR	RD1/4PMF103J
⚠	R319, R320	CARBON FILM RESISTOR	RD1/4PMF680J
⚠	R321, R322	FUSLIBLE RESISTOR	RF1/4PS101J
⚠	R327 – R334	CARBON FILM RESISTOR	RD1/4PMF101J
⚠	R335, R336	FUSIBLE RESISTOR	RF1/4PS8R2J
⚠	R337 – R340	FUSLIBLE RESISTOR	RF1/4PS4R7J
⚠	R341, R342	FUSIBLE RESISTOR	RF1/4PS8R2J
⚠	R343, R344	RESISTOR (0.33Ω, 5W)	ACN – 139
⚠	R345, R346	CARBON FILM RESISTOR	RD1/4PMF472J

Mark	No.	Description	Parts No.
⚠	R353, R354	CARBON FILM RESISTOR	RD1/4PMF100J
	R355, R356	METAL OXIDE RESISTOR	RS1LMF4R7J
	R460	METAL OXIDE RESISTOR	RS1PMF181J
		Other Resistors	RD1/4PU□□□J

OTHERS

	202	CABLE HOLDER(3P)	51052 – 0300
	213	CABLE HOLDER(10P)	51052 – 1000
	214	CABLE HOLDER(4P)	51063 – 0405
	215	CABLE HOLDER(8P)	51052 – 0800
	216	CABLE HOLDER(11P)	51052 – 1100
	217	CABLE HOLDER(8P)	51052 – 0800
	221, 222	HEAT SINK B	ANH1021
	223	HEAT SINK	ANH – 309
	224 – 226	SCREW	BBZ30P080FZK
	227	GROUND PLATE	VNF – 091
	412	CABLE HOLDER(4P)	51063 – 0405
	CN206	CONNECTOR(15P)	KPE15
	CN212	5P PLUG	KM200TA5
	CN301	KR CONNECTOR	B6B – PH – K – S
	CN407	14P PLUG	KM200IA14
	CN408	15P PLUG	KM200TA15
	CN409, CN410	CONNECTOR(15P)	KPE15
	CN411	CONNECTOR(11P)	KPE11
	JA401 – JA404	PIN JACK(4P)	AKB7044

D TRANS ASSY

CAPACITORS

	C291 – C293	ELECT. CAPACITOR (1μF/100V)	ACH1237
	C298, C299	CERAMIC CAPACITOR	CGCYX103M16

RESISTORS

	R291 – R293	FUSLIBLE RESISTOR	RF1/4PS4R7J
		Other Resistors	RD1/4PU□□□J

OTHERS

	291	CABLE HOLDER(11P)	51052 – 1100
	292	CABLE HOLDER(8P)	51052 – 0800
	H291 – H294	FUSE CLIP	AKR1004

N MECHA SW ASSY

SWITCHES AND RELAYS

⚠	S91	PUSH SWITCH	ASG1035

CAPACITORS

⚠	C91	CKA (3300pF/AC250V)	ACG7017

OTHERS

	J91	LEAD WIRE UNIT	DB640EB0
	J92	LEAD WIRE UNIT	DB940EB0

A FL/U-COM ASSY

SEMICONDUCTORS

	IC901	CONTROL MCU	PDG203A
	IC951	RDS DET IC	SAA6579
	IC1901	IC	UPC4570C
	IC1902	OP – AMP IC	NJM4558D – D
	Q901	TRANSISTOR	KRC101M

Mark	No.	Description	Parts No.
	Q902	TRANSISTOR	KRC103M
	Q903	TRANSISTOR	KRC101M
	Q904	TRANSISTOR	2SA933S
	Q905, Q906	TRANSISTOR	2SC1740S
	Q951	TRANSISTOR	KRC101M
	Q952	TRANSISTOR	2SA1115
	Q953	TRANSISTOR	2SC1740S
	D901 – D912	DIODE	1SS252
	D914 – D918	DIODE	1SS252
	D923, D924	DIODE	1SS252
COILS AND FILTERS			
	L901	AXIAL INDUCTOR	LAU2R2J
	L902, L903	AXIAL INDUCTOR	LAU100J
	L951, L961	AXIAL INDUCTOR	LAU2R2J
SWITCHES AND RELAYS			
	S903 – S911	SWITCH	ASG1034
	S913 – S921	SWITCH	ASG1034
	S922	ROTARY ENCODER	ASX7001
CAPACITORS			
	C901	CERAMIC CAPACITOR	CKPUYY103M16
	C902	CAPACITOR (0.22F)	ACH7058
	C903	ELECT. CAPACITOR	CEAS221M10
	C904	CERAMIC CAPACITOR	CKPUYY103M16
	C905, C906	CERAMIC CAPACITOR	CKPUYF473Z16
	C907	ELECT. CAPACITOR	CEAS2R2M50
	C908	CERAMIC CAPACITOR	CGCYX104M16
	C909	ELECT. CAPACITOR	CEAS2R2M50
	C910	AXIAL CAPACITOR	CKPYF103Z50
	C911	ELECT. CAPACITOR	CEAS101M35
	C912, C913	ELECT. CAPACITOR	CEAS470M25
	C914	CERAMIC CAPACITOR	CKCYF103Z50
	C917, C918	CERAMIC CAPACITOR	CKPUYY103M16
	C919	CERAMIC CAPACITOR	CKPUYB102K50
	C932, C933	AXIAL CAPACITOR	CCPUSL220J50
	C934 – C939	AXIAL CAPACITOR	CKPUYB101K50
	C940	ELECT. CAPACITOR	CEAS470M16
	C941, C942	AXIAL CAPACITOR	CKPUYB101K50
	C945	CERAMIC CAPACITOR	CKPUYY103M16
	C951	CERAMIC CAPACITOR	CCCCH820J50
	C952	CERAMIC CAPACITOR	CCCCH470J50
	C953	ELECT. CAPACITOR	CEAS101M10
	C954	CERAMIC CAPACITOR	CGCYX103M16
	C955	CERAMIC CAPACITOR	CKCYB561K50
	C956	ELECT. CAPACITOR	CEAS2R2M50
	C957	ELECT. CAPACITOR	CEAS1R0M50
	C958	CERAMIC CAPACITOR	CGCYX103M16
	C959	ELECT. CAPACITOR	CEAS101M10
	C961 – C964	CERAMIC CAPACITOR	CKPUYY103M16
	C1903, C1904	AUDIO FILM CAPACITOR	CFTXA473J50
	C1905, C1906	AUDIO FILM CAPACITOR	CFTXA274J50
	C1907, C1908	AUDIO FILM CAPACITOR	CFTXA123J50
	C1909, C1910	AUDIO FILM CAPACITOR	CFTXA563J50
	C1911, C1912	ELECT. CAPACITOR	CEAS100M50
	C1915 – C1918	ELECT. CAPACITOR	CEAS100M50
	C1919, C1920	CERAMIC CAPACITOR	CGCYX103M16
	C1921, C1922	ELECT. CAPACITOR	CEAS2R2M50

Mark	No.	Description	Parts No.
RESISTORS			
	R919	RESISTOR ARRAY (10kΩ)	RA8T103J
	VR1901, VR1902	VARIABLE RESISTOR (30kΩ – 20A×2)	ACS7020
	VR1903	VARIABLE(500kΩ – B×1)	ACS1016
		Other Resistors	RD1/4PU□□□J
OTHERS			
	901	REMOTE RECEIVER UNIT	GP1U28X
	902	CABLE HOLDER(15P)	51063 – 1505
	903	CABLE HOLDER(10P)	51063 – 1005
	904	CABLE HOLDER(12P)	51063 – 1205
	906	CABLE HOLDER(7P)	51063 – 0705
	907	CABLE HOLDER(11P)	51063 – 1105
	908	CABLE HOLDER(15P)	51063 – 1505
	911	SHIELD PLATE	ANK7030
	X901	CERAMIC RESONATOR (7.70MHz)	ASS1055
	X951	CRYSTAL RESONATOR	ASS7004
	V901	FL TUBE	AAV7035

B POWER SWITCH ASSY

SEMICONDUCTORS			
	D981	LED(RED)	AEL1065
SWITCHES AND RELAYS			
	S981, S983	SWITCH	ASG1034
	S984, S986	SWITCH	ASG1034
RESISTORS			
		All Resistors	RD1/4PU□□□J
OTHERS			
	CN981	CONNECTOR(7P)	KPE7

F FRONT INPUT ASSY

CAPACITORS			
	C1991, C1992	CERAMIC CAPACITOR	CKCYB392K50
RESISTORS			
	R1991, R1992	METAL OXIDE RESISTOR	RS2LMF331J
	R1993, R1994	METAL OXIDE RESISTOR	RS1PMF681J
OTHERS			
	1991	GROUND PLATE	VNF – 091
	CN1991	JACK	AKN7001

K R/C AMP ASSY

SEMICONDUCTORS			
	Q501	TRANSISTOR	2SC2878
	Q503	TRANSISTOR	2SA970
	Q505, Q507	TRANSISTOR	2SA992
	Q509	TRANSISTOR	2SA1321
	Q511	TRANSISTOR	2SC3334
⚠	Q513	TRANSISTOR	2SC1740S
⚠	Q515	TRANSISTOR	2SC4793
⚠	Q517	TRANSISTOR	2SA1837
	Q519	TRANSISTOR	2SC2240
	Q601, Q602	TRANSISTOR	2SC2878

Mark	No.	Description	Parts No.
	Q603, Q604	TRANSISTOR	2SA970
	Q605 – Q608	TRANSISTOR	2SA992
	Q609, Q610	TRANSISTOR	2SA1321
	Q611, Q612	TRANSISTOR	2SC3334
⚠	Q613, Q614	TRANSISTOR	2SC1740S
⚠	Q615, Q616	TRANSISTOR	2SC4793
⚠	Q617, Q618	TRANSISTOR	2SA1837
	Q619, Q620	TRANSISTOR	2SC2240
	D501, D503	DIODE	1SS252
	D505	ZENER DIODE	MTZJ12B
	D507, D509	DIODE	1SS252
	D511	ZENER DIODE	MTZJ12B
	D513, D515	DIODE	1SS252
	D601 – D604	DIODE	1SS252
	D605, D606	ZENER DIODE	MTZJ12B
	D607 – D610	DIODE	1SS252
	D611, D612	ZENER DIODE	MTZJ12B
	D613 – D616	DIODE	1SS252

CAPACITORS

C501	ELECT. CAPACITOR	CEAS2R2M50
C503	CERAMIC CAPACITOR	CCCSL151J50
C505	CERAMIC CAPACITOR	CKCYB102K2H
C507, C509	CERAMIC CAPACITOR	CCCSL270K2H
C511	ELECT. CAPACITOR	CEAS101M10
C513	ELECT. CAPACITOR	CEAS101M25
C515	CERAMIC CAPACITOR	CCCSL5R0C2H
C517, C519	CERAMIC CAPACITOR	CCCSL101K2H
C521	ELECT. CAPACITOR	CEANP2R2M50
C529, C531	CERAMIC CAPACITOR	CCCSL101J50
C533	CERAMIC CAPACITOR	CCCSL471J50
C534, C535	ELECT. CAPACITOR	CEAS4R7M2A
C601, C602	ELECT. CAPACITOR	CEAS2R2M50
C603, C604	CERAMIC CAPACITOR	CCCSL151J50
C605, C606	CERAMIC CAPACITOR	CKCYB102K2H
C607 – C610	CERAMIC CAPACITOR	CCCSL270K2H
C611, C612	ELECT. CAPACITOR	CEAS101M10
C613, C614	ELECT. CAPACITOR	CEAS101M25
C615, C616	CERAMIC CAPACITOR	CCCSL5R0C2H
C617 – C620	CERAMIC CAPACITOR	CCCSL101K2H
C621, C622	ELECT. CAPACITOR	CEANP2R2M50
C629 – C632	CERAMIC CAPACITOR	CCCSL101J50
C633, C634	CERAMIC CAPACITOR	CCCSL471J50

RESISTORS

⚠	R521	CARBON FILM RESISTOR	RD1/4PMF680J
⚠	R523	FUSLIBLE RESISTOR	RF1/4PS101J
⚠	R529, R531	CARBON FILM RESISTOR	RD1/4PMF101J
⚠	R533, R535	CARBON FILM RESISTOR	RD1/4PMF101J
⚠	R537	FUSIBLE RESISTOR	RF1/4PS8R2J
⚠	R539, R541	FUSLIBLE RESISTOR	RF1/4PS4R7J
⚠	R543	FUSIBLE RESISTOR	RF1/4PS8R2J
⚠	R545	RESISTOR (0.22Ω×2, 5W)	ACN7026
⚠	R547	CARBON FILM RESISTOR	RD1/4PMF472J
⚠	R607	CARBON FILM RESISTOR	RD1/4PU431J

Mark	No.	Description	Parts No.
⚠	R621, R622	CARBON FILM RESISTOR	RD1/4PMF680J
⚠	R623, R624	FUSLIBLE RESISTOR	RF1/4PS101J
⚠	R629 – R636	CARBON FILM RESISTOR	RD1/4PMF101J
⚠	R637, R638	FUSIBLE RESISTOR	RF1/4PS8R2J
⚠	R639 – R642	FUSLIBLE RESISTOR	RF1/4PS4R7J
⚠	R643, R644	FUSIBLE RESISTOR	RF1/4PS8R2J
⚠	R645, R646	RESISTOR (0.22Ω×2, 5W)	ACN7026
⚠	R647, R648	CARBON FILM RESISTOR	RD1/4PMF472J
		Other Resistors	RD1/4PU□□□J

OTHERS

501	CABLE HOLDER(9P)	51063 – 0905
503	CABLE HOLDER(6P)	51052 – 0600
KN501	GROUND PLATE	VNF1084

J R/C SPEAKER ASSY

SEMICONDUCTORS

Q151	TRANSISTOR	2SC1740S
Q163	TRANSISTOR	2SC2878
D151 – D154	DIODE	1SS252

COILS AND FILTERS

L151 – L153	COIL (1μH)	ATH – 133
L154 – L156	COIL (0.7μH)	ATH1004

SWITCHES AND RELAYS

RY151, RY152	RELAY	ASR7010

CAPACITORS

C151 – C153	POLYESTER CAPACITOR	CQMXA473J2A
C154	CERAMIC CAPACITOR	CCCSL101J50
C155	CERAMIC CAPACITOR	CKCYB472K50
C156	CERAMIC CAPACITOR	CKDYF103Z50
C160	CERAMIC CAPACITOR	CGCYX473M16
C161 – C166	AUDIO FILM CAPACITOR	CFTXA104J50
C167	CERAMIC CAPACITOR	CGCYX473M16

RESISTORS

R183 – R185	CARBON FILM RESISTOR	RD1/4PMF100J
R186 – R188	METAL OXIDE RESISTOR	RS1LMF4R7J
	Other Resistors	RD1/4PU□□□J

OTHERS

154	CABLE HOLDER(4P)	51052 – 0400
CN151	SPEAKER TERMINAL 6 – P	AKE7042
CN152	2P PIN JACK	AKB7036

G REG.1 ASSY

SEMICONDUCTORS

IC101	REGULATOR IC	NJM78M15FA
IC102	REGULATOR IC	NJM79M15FA
IC103	REGULATOR IC	NJM78M12FA

CAPACITORS

C101 – C103	CERAMIC CAPACITOR	CKCYF103Z50
C105 – C107	ELECT. CAPACITOR	CEAS101M16

RESISTORS

⚠	R1226	METAL OXIDE RESISTOR	RS1LMF150J

OTHERS

101	CABLE HOLDER(6P)	51052 – 0600
102	CABLE HOLDER(7P)	51052 – 0700

Mark	No.	Description	Parts No.

H PRO LOGIC ASSY

SEMICONDUCTORS

	IC3001	IC	LV1030
	IC3002	LOGIC IC	TC4052BP
	IC3003	DUAL ATT/BAL IC	M51132L
	IC3004	OP – AMP IC	NJM4558D – D
	IC3006 – IC3008	OP – AMP IC	NJM4558D – D
	IC3010, IC3011	OP – AMP IC	NJM4558D – D
	IC3012	REGULATOR IC	NJM78M09FA
	Q3002	TRANSISTOR	2SA933S
	Q3003	N – FET	2SK246
	Q3007	TRANSISTOR	KRC103M
	Q3008	TRANSISTOR	KRA103M
	Q3009	N – FET	2SK246
	D3001, D3002	DIODE	1SS252
	D3005, D3006	LED	BR3371XJ30A
	D3007	DIODE	1SS252
	D3010	ZENER DIODE	MTZJ12C
	D3011	DIODE	1SS252

CAPACITOS

	C3001, C3002	ELECT. CAPACITOR	CEAS1R0M50
	C3003	ELECT. CAPACITOR	CEAS221M10
	C3004 – C3007	ELECT. CAPACITOR	CEAS100M50
	C3008	ELECT. CAPACITOR	CEAS2R2M50
	C3009	ELECT. CAPACITOR	CEASR33M50
	C3010	ELECT. CAPACITOR	CEAS221M10
	C3011	AUDIO FILM CAPACITOR	CFTXA823J50
	C3012	MYLAR FILM CAPACITOR	CQMA332J50
	C3013	AUDIO FILM CAPACITOR	CFTXA823J50
	C3014	ELECT. CAPACITOR	CEASR47M50
	C3015	MYLAR FILM CAPACITOR	CQMA473J50
	C3016	ELECT. CAPACITOR	CEAS221M10
	C3017	AUDIO FILM CAPACITOR	CFTXA474J50
	C3018	ELECT. CAPACITOR	CEAS470M10
	C3019	ELECT. CAPACITOR	CEAS1R0M50
	C3020	ELECT. CAPACITOR	CEAS221M16
	C3021 – C3024	ELECT. CAPACITOR	CEAS100M50
	C3025	ELECT. CAPACITOR	CEASR47M50
	C3026	ELECT. CAPACITOR	CEANL4R7M50
	C3027	ELECT. CAPACITOR	CEASR47M50
	C3028	ELECT. CAPACITOR	CEANL4R7M50
	C3029	AUDIO FILM CAPACITOR	CFTXA154J50
	C3030	ELECT. CAPACITOR	CEANL3R3M50
	C3031, C3032	AUDIO FILM CAPACITOR	CFTXA154J50
	C3033	ELECT. CAPACITOR	CEANL3R3M50
	C3034	AUDIO FILM CAPACITOR	CFTXA154J50
	C3035	ELECT. CAPACITOR	CEANL4R7M50
	C3036	ELECT. CAPACITOR	CEASR47M50
	C3037	ELECT. CAPACITOR	CEANL4R7M50
	C3038	ELECT. CAPACITOR	CEASR47M50
	C3039	ELECT. CAPACITOR	CEAS1R0M50
	C3058, C3059	ELECT. CAPACITOR	CEAS220M25
	C3060 – C3062	ELECT. CAPACITOR	CEAS4R7M50
	C3063	ELECT. CAPACITOR	CEAS470M16
	C3064	ELECT. CAPACITOR	CEAS220M25
	C3065, C3066	ELECT. CAPACITOR	CEAS4R7M50
	C3067	ELECT. CAPACITOR	CEAS470M25
	C3068	ELECT. CAPACITOR	CEAS470M16
	C3070, C3071	ELECT. CAPACITOR	CEAS470M16
	C3072, C3073	ELECT. CAPACITOR	CEAS4R7M50
	C3075, C3076	ELECT. CAPACITOR	CEAS100M50
	C3077	CERAMIC CAPACITOR	CKCYB471K50
	C3079, C3080	ELECT. CAPACITOR	CEAS4R7M50
	C3081 – C3084	CERAMIC CAPACITOR	CGCYX473M25
	C3085	CERAMIC CAPACITOR	CGCYX104M25
	C3086	CERAMIC CAPACITOR	CCCSL101J50

RESISTORS

	R3020	METALFILM RESISTOR	RN1/4PC5102F
	R3021, R3022	METALFILM RESISTOR	RN1/4PC1003F
	R3023	METALFILM RESISTOR	RN1/4PC3902F
	R3024	METALFILM RESISTOR	RN1/4PC5102F
	R3025, R3026	METALFILM RESISTOR	RN1/4PC1003F
	R3027	METALFILM RESISTOR	RN1/4PC3902F
⚠	R3071	METAL OXIDE RESISTOR	RS1LMF100J
⚠	R3073	FUSLIBLE RESISTOR	RFA1/4PS470J
		Other Resistors	RD1/4PU□□□J

OTHERS

	CN3001	15P SOCKET	KP200TA15L
	CN3002	5P SOCKET	KP200TA5L
	CN3003	CONNECTOR(10P)	KPE10
	X3001	CERAMIC RESONATOR (8.00MHz)	DSS1053

M PRIMARY ASSY

SEMICONDUCTORS

	IC51	REGULATOR IC	NJM78M56FA
	Q51	TRANSISTOR	KRC101M
	D51	DIODE	S5688G
	D53	ZINER DIODE	MTZJ5.1A
	D54, D55	DIODE	1SS252

COILS AND FILTERS

⚠	L51	FILTER (0.8mH,AC250V)	ATF – 151

TRANSFORMERS

⚠	T51	POWER TRANSFORMER	ATT7019

SWITCHES AND RELAYS

⚠	RY51	RELAY	ASR1044

CAPACITORS

	C51	CERAMIC CAPACITOR	CGCYX103M25
	C52	ELECT. CAPACITOR	CEAS471M16
	C53	ELECT. CAPACITOR	CEAS470M16
⚠	C54, C55	CKA (10000pF/AC250V)	ACG7020

RESISTORS

	R54	CARBON FILM RESISTOR	RD1/2PM270J
		Other Resistors	RD1/4PU□□□J

OTHERS

	CN51	CONNECTOR(4P)	KPE4
	H51, H52	FUSE CLIP	AKR1004

Mark	No.	Description	Parts No.
E		**FRONT SP ASSY**	
		CAPACITORS	
	C1201 – C1204	POLYESTER CAPACITOR	CQMXA473J2A
	C1205, C1206	POLYESTER CAPACITOR	CQMXA103J2A
		OTHERS	
	1201	SPEAKER TERMINAL 8 – P	AKE7026
	1203	CABLE HOLDER(4P)	51052 – 0400
I		**VOLUME ASSY**	
		SEMICONDUCTORS	
	IC701 – IC703	IC	UPC4570C
	Q701	TRANSISTOR	KRC103M
	Q702	TRANSISTOR	KRA103M
	Q703, Q704	N – FET	2SK246
	Q705, Q706	TRANSISTOR	2SA1115
	Q707, Q708	TRANSISTOR	2SC2603
	D701, D703	DIODE	1SS252
	D705	DIODE	1SS252
		CAPACITORS	
	C701, C702	ELECT. CAPACITOR	CEAS4R7M50
	C703, C704	AXIAL CAPACITOR	CCPUSL680J50
	C705 – C708	ELECT. CAPACITOR	CEAS4R7M50
	C709, C710	CERAMIC CAPACITOR	CKPUYB151K50
	C711, C712	ELECT. CAPACITOR	CEAS4R7M50
	C714	ELECT. CAPACITOR	CEAS4R7M50
	C716	AXIAL CAPACITOR	CKPUYB101K50
	C718	ELECT. CAPACITOR	CEAS4R7M50
	C719	ELECT. CAPACITOR	CEANP100M50
	C720, C721	CERAMIC CAPACITOR	CCCSL271J50
	C722	ELECT. CAPACITOR	CEAS220M50
	C723 – C728	CERAMIC CAPACITOR	CGCYX104M25
	C729, C730	AUDIO FILM CAPACITOR	CFTXA473J5
		RESISTORS	
	VR701	VARIABLE RESISTOR (100kΩ – A5X6)	ACX7028
		Other Resistors	RD1/4PU□□□J
		OTHERS	
	701	CABLE HOLDER(15P)	51063 – 1505
	CN702	KR CONNECTOR	B6B – PH – K – S
	CN703	CONNECTOR(9P)	KPE9
L		**VIDEO/SR ASSY**	
		SEMICONDUCTORS	
	IC851	VIDEO SEITCH	LA7952
	Q801	TRANSISTOR	2SA933S
	Q802	TRANSISTOR	KRC103M
	Q853, Q854	TRANSISTOR	2SC1740S
	D801, D802	DIODE	1SS252
	D851 – D853	DIODE	1SS252

Mark	No.	Description	Parts No.
		CAPACITORS	
	C801	CERAMIC CAPACITOR	CKCYF103Z50
	C851 – C853	ELECT. CAPACITOR	CEAS4R7M50
	C854, C856	ELECT. CAPACITOR	CEAS471M6R3
	C858, C860	ELECT. CAPACITOR	CEAS470M25
	C862	CERAMIC CAPACITOR	CGCYX103M16
	C863	CERAMIC CAPACITOR	CKCYB102K50
	C871, C872	CERAMIC CAPACITOR	CGDYX103M16
	C9021	CERAMIC CAPACITOR	CGCYX103M25
		RESISTORS	
	R860	CARBON FILM RESISTOR	RD1/4PM331J
		Other Resistors	RD1/4PU□□□J
		OTHERS	
	801	2P RCA PINJACK	AKB7017
	802	3P RCA PINJACK	AKB7018
	CN802	CONNECTOR(7P)	KPE7
	CN804	CONNECTOR(4P)	KPE4
	JA803, JA807	JACK	RKN1004
O		**FM/AM TUNER MODULE**	
		SEMICONDUCTORS	
	IC6201	AM/FM +MPX IC	LA1836M
	IC6202	PLL IC	LM7001J
	Q6101	DUALGATE – FETA(CHIP)	3SK194
	Q6102	TRANSISTOR	2SC2223
	Q6103	TRANSISTOR	2SC2714
	Q6104, Q6105	MOS – FET	2SK302
	Q6201	NCH – FET(SMD)	2SK208
	Q6202	TRANSISTOR	2SC2712
	Q6203	TRANSISTOR	2SC2235
	Q6204	TRANSISTOR	XDA124EK
	Q6214	TRANSISTOR	2SC2714
	Q6215, Q6217	TRANSISTOR	XDC124EK
	Q6218	TRANSISTOR	2SC2712
	D6101 – D6104	VARI – CAP DIODE	1SV228
	D6201	PIN DIODE	HVU187
		COILS AND FILTERS	
	F6202	AM CERAMIC FILTER (450kHz)	ATF1156
	F6203	CERAMIC FILTER	ATF – 119
	F6204	CERAMIC FILTER	ATF – 107
	F6205	ANTIBIRDY FILTER	ATF1152
	L6101	COIL	ATC1016
	L6102	COIL	ATC1017
	L6103	COIL	ATC1018
	L6104	COIL	ATC1019
	L6105	COIL	ATC1015
	L6106	COIL	ATC1003
	L6107	TIP COIL (2.2μH)	ATH1043
	L6201 – L6203	CHIP COIL	LCTA2R2J3225
	L6205	CHIP COIL	LCTA680J3225
	L6207	FM DETECTION COIL (10.7MHz)	ATE1013
	L6208	CHIP COIL	LCTA2R2J3225
	L6209	CHIP COIL	LCTA221J3225

Mark	No.	Description	Parts No.
TRANSFORMERS			
	T6101	IF TRANSFORMER	ATE – 063
CAPACITORS			
	C6101	CHIP CAPACITOR	CCSQTH110J50
	C6102	CERAMIC CAPACITOR	CKSQYB103K50
	C6105	CHIP CAPACITOR	CCSQSL471J50
	C6106	CHIP CAPACITOR	CCSQTH330J50
	C6107	CHIP CAPACITOR	CCSQTH300J50
	C6109	CHIP CAPACITOR	CCSQTH270J50
	C6110	CHIP CAPACITOR	CCSQTH300J50
	C6111	CHIP CAPACITOR	CCSQCK1R0C50
	C6112	CHIP CAPACITOR	CCSQCK2R0C50
	C6113	CHIP CAPACITOR	CCSQCH101J50
	C6114	CERAMIC CAPACITOR	CKSQYB103K50
	C6115	CHIP CAPACITOR	CKSQYB102K50
	C6116	CHIP CERAMIC C.	CCSQCH150J50
	C6117	CHIP CAPACITOR	CCSQCH330J50
	C6118	CHIP CAPACITOR	CCSQCH8R0D50
	C6119	CHIP CAPACITOR	CCSQTH150J50
	C6120	CHIP CAPACITOR	CCSCH6R0D50
	C6121	CERAMIC CAPACITOR	CKSQYB103K50
	C6122	CHIP CAPACITOR	CCSQCK1R0C50
	C6123	CERAMIC CAPACITOR	CKSYB103K50
	C6124	CERAMIC CAPACITOR	CKSQYB103K50
	C6125, C6126	CHIP CAPACITOR	CKSQYB102K50
	C6204	CAPACITOR (CERAMIC) (1µF/16V)	ACG1051
	C6207	CHIP CAPACITOR	CKSQYB102K50
	C6208	CHIP CERAMIC C.	CCSQCH150J50
	C6209	CERAMIC CAPACITOR	CKSQYB473K50
	C6210	CERAMIC CAPACITOR	CKSQYB103K50
	C6212	CHIP CAPACITOR	CKSQYF103Z50
	C6213	CHIP CAPACITOR	CKSQYB223K50
	C6214	AUDIO FILM CAPACITOR	CFTXA224J50
	C6215	AUDIO FILM CAPACITOR	CFTXA103J50
	C6216, C6217	ELECT. CAPACITOR	CEAS330M16
	C6218	CHIP CAPACITOR	CKSQYF103Z50
	C6219	ELECT. CAPACITOR	CEAS470M10
	C6220	CERAMIC CAPACITOR	CKSQYF104Z25
	C6221, C6222	CHIP CERAMIC C.	CCSQCH150J50
	C6223	CHIP CAPACITOR	CKSYF103Z50
	C6224	ELECT. CAPACITOR	CEEA101M25
	C6225	CERAMIC CAPACITOR	CKSQYF473Z50
	C6226	CHIP CAPACITOR	CKSQYF223Z50
	C6227	ELECT. CAPACITOR	CEAS470M25
	C6228	CERAMIC CAPACITOR	CKSQYB472K50
	C6229	CHIP CAPACITOR	CCSCH102J50
	C6230	CHIP CAPACITOR	CKSQYB273K50
	C6231	ELECT. CAPACITOR	CEAS100M50
	C6232	CERAMIC CAPACITOR	CKSYB273K50
	C6233	ELECT. CAPACITOR	CEAS100M50
	C6234	CAPACITOR (CERAMIC) (1µF/16V)	ACG1051
	C6235	CERAMIC CAPACITOR	CKSQYF224Z25
	C6236	CAPACITOR (CERAMIC) (1µF/16V)	ACG1051
	C6237	CERAMIC CAPACITOR	CKSQYB473K50
	C6238	ELECT. CAPACITOR	CEJA100M16
	C6239	CHIP CAPACITOR	CKSQYF223Z50
	C6241	CERAMIC CAPACITOR	CKSQYF473Z50
	C6242	CHIP CAPACITOR	CKSQYF223Z50
	C6243 – C6245	ELECT. CAPACITOR	CEAS470M16
	C6246	ELECT. CAPACITOR	CEEA100M50
	C6247	CERAMIC CAPACITOR	CKSQYB122K50
	C6248	ELECT. CAPACITOR	CEEA100M50
	C6249, C6250	ELECT. CAPACITOR	CEJA4R7M35
	C6251, C6252	CERAMIC CAPACITOR	CKSQYB562K50
	C6253	CERAMIC CAPACITOR	CKSQYB103K50
	C6254	CAPACITOR (CERAMIC) (1µF/16V)	ACG1051
	C6255, C6256	CHIP CAPACITOR	CKSQYF223Z50
	C6261	ELECT. CAPACITOR	CEJA1R0M50
	C6262	ELECT. CAPACITOR	CEAS100M50
	C6263	CHIP CAPACITOR	CKSYF473Z50
	C6264	CERAMIC CAPACITOR	CKSQYB103K50
	C6267	CERAMIC CAPACITOR	CKSQYB473K50
	C6269	CAPACITOR (CERAMIC) (1µF/16V)	ACG1051
	C6272	CHIP CAPACITOR	CCSQSL330J50
RESISTORS			
	R6112	CHIP RESISTER	RS1/8S473J
	R6115, R6119	CHIP RESISTOR	RS1/8S0R0J
	R6123, R6127	CHIP RESISTOR	RS1/8S0R0J
	R6129	CHIP RESISTOR	RS1/8S0R0J
	R6209	CHIP RESISTOR	RS1/8S221J
	R6211	CHIP RESISTOR	RS1/8S103J
	R6237	CHIP RESISTOR	RS1/8S122J
	R6239	CHIP RESISTOR	RS1/8S103J
	R6243, R6244	CHIP RESISTOR	RS1/8S101J
	R6247	CHIP RESISTOR	RS1/8S152J
	R6268 – R6273	CHIP RESISTOR	RS1/8S0R0J
	R6275, R6276	CHIP RESISTOR	RS1/8S0R0J
	R6278, R6283	CHIP RESISTOR	RS1/8S0R0J
	R6284, R6289	CHIP RESISTOR	RS1/8S0R0J
	R6293, R6294	CHIP RESISTOR	RS1/8S0R0J
	R6297	CHIP RESISTOR	RS1/8S0R0J
	R6299, R6300	CARBON FILM RESISTOR	RD1/4PU102J
	R6302, R6303	CHIP RESISTOR	RS1/8S0R0J
	VR6201	VR (10kΩ, 0.1W)	ACP1056
	VR6202	VR	VRTB6VS223
		Other Resistors	RS1/10S□□□J
OTHERS			
		AM RF TUNING BLOCK	AXX1025
	BN6201	2P TERMINAL WITH PAL	AKA1017
	CN6201	14P SOCKET	KP200IA14L
	X6201	CRYSTAL RESONATOR (456kHz)	ASS1066
	X6202	CERAMIC RESONATOR (450kHz)	ATF1027
	X6203	CRYSTAL RESONATOR (7.200MHz)	ASS1042

6. ADJUSTMENT

■ ADJUSTMENT OF FM TUNER SECTION

- Set the FM/AM selector to FM BAND.
- Connect the wiring as shown in Fig. 6–1.

Step No.	Adjustment Title	FM SG (1kHz, ±75kHz dev.)		Reception Frequency Display	Adjustment Location	Specifications
		Frequency (MHz)	Level (dBμV)			
1	Center Adjustment	98	80	98MHz	L6207	Adjust so that the DC voltage between IC6201-Pin 4 and Pin 28 (or ⊕ leads of C6224 and C6261) becomes 0V±50mV.
2	Front End Sensitivity adjustment	106	Low input (0 to 30)	106MHz	L6104 L6105 L6102 T6101	After adjusting L6104 and L6105 so that the DC voltage between IC6201-Pin 12 and GND (or ⊕ leads of C6238 and GND) becomes at maximum level, adjust T6101 and L6102.
3	Stereo Distortion	98	80	98MHz	T6101	Minimize the distortion with 1/8 rotation of the core.
4	TUNED IND. Lighting Level	98	15 (±2dB)	98MHz	VR6201	Adjust so that the indicator of TUNED IND. starts to light up.

Notes:

- *Before adjusting, make sure there is no gap between L6101 and L6102 and between L6103 and L6104. If there is a gap between them, bring them into contact with each other first, and then make adjustments.*
- *Make indicator adjustments in order of AM → FM.*
- *Adjustment sequence : L6104 → L6105 → L6102 → T6101.*

■ ADJUSTMENT OF AM TUNER SECTION

- Set the FM/AM selector to AM BAND.
- Connect the wiring as shown in Fig. 6–1.

Step No.	Adjustment Title	AM SG (400Hz, 30% Mod.)		Reception Frequency Display	Adjustment Location	Specifications
		Frequency (kHz)	Level (dBμV/m)			
1	TUNED IND. Lighting Level	999*1	47(±2dB)	999kHz*1	VR6202	Adjust so that the indicator of TUNED IND. starts to light up.

**1: For the area using 10kHz step, frequencies should be 1000kHz*

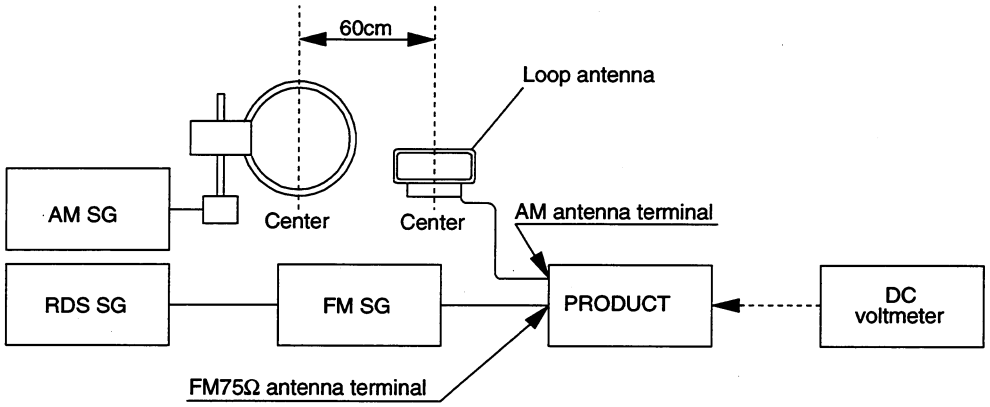


Fig. 6–1 AM and FM Adjustment Wiring Diagram

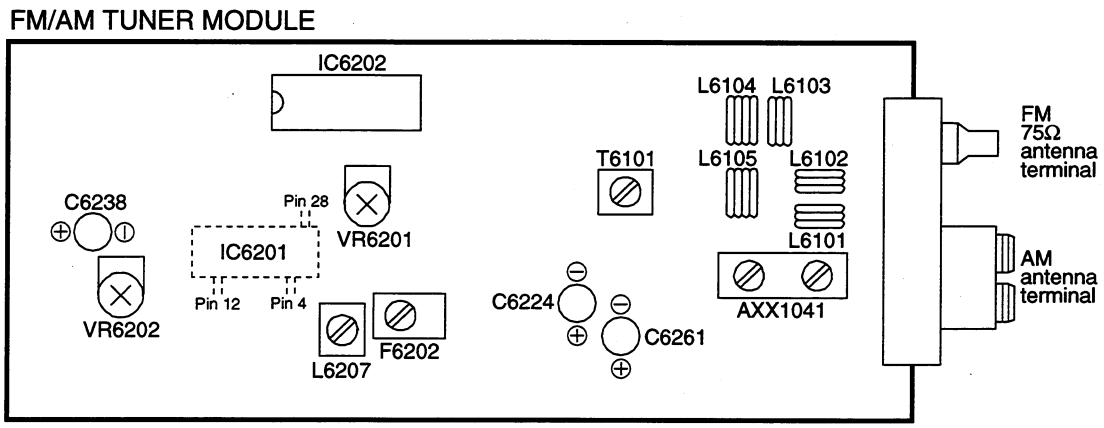


Fig. 6–2 Adjustment Points

7. GENERAL INFORMATION

7.1 PARTS

7.1.1 IC

• The information shown in the list is basic information and may not correspond exactly to that shown in the schematic diagrams.

■ PDG203A (FL/U-COM ASSY : IC901)

● Microcomputer Port Function Table

PIN No.	PIN NAME	FUNCTION	RESET	I/O	FUNCTION
1	G1/A1	O/O	Hi-Z or PD	O	FL Grid 2
2	G0/A0	O/O	Hi-Z or PD	O	FL Grid 1
3	NC	(5V)			(5V)
4	PE0/EC0/INT0	I/I/I	Hi-Z	I	AC WAKE-UP
5	PE1/EC1/INT1	I/I/I	Hi-Z	I	RDS DT
6	PE2/INT2	I/I	Hi-Z	I	RDS CK
7	PE3/INT3/NMI	I/I/I	Hi-Z	I	no use
8	PE4/RMC	I/I	Hi-Z	I	RMC
9	PE5	I/I	Hi-Z	I	9K/10K
10	PE6/PWM	O/O	H	O	VOL.UP
11	PE7/TO/ADJ	O/O/O	H	O	VOL.DOWN
12	PC0/KR0	IO/I	Hi-Z	I	TUNED
13	PC1/KR1	IO/I	Hi-Z	I	STEREO
14	PC2/KR2	IO/I	Hi-Z	I	JOG 1
15	PC3/KR3	IO/I	Hi-Z	I	JOG 2
16	PC4/KR4	IO/I	Hi-Z	I	KEY IN 1
17	PC5/KR5	IO/I	Hi-Z	I	KEY IN 2
18	PC6/KR6	IO/I	Hi-Z	I	KEY IN 3
19	PC7/KR7	IO/I	Hi-Z	O	PRO-LOGIC DT
20	PB0/CINT	IO/I	Hi-Z	O	PRO-LOGIC CK
21	PB1/CS0	IO/I	Hi-Z	O	DSP ST
22	PB2/SCK0	IO/IO	Hi-Z	O	4052 CONT A
23	PB3/SI0	IO/I	Hi-Z	O	5-D THEATER ON/OFF
24	PB4/SO0	IO/I	Hi-Z	O	4052 CONT B
25	PB5/SCK1	IO/IO	Hi-Z	O	5-D CONTROL
26	PB6/SI1	IO/I	Hi-Z	O	DSP-DELAY/DIRECT
27	PB7/SO1	IO/O	Hi-Z	O	PRO-LOGIC ST
28	AV_{REF}	I	(5V)	I	5V
29	PA0/AN0	IO/AI	Hi-Z	I	KU-HY Selection
30	PA1/AN1	IO/AI	Hi-Z	O	FM+ (RDS)
31	PA2/AN2	IO/AI	Hi-Z	O	RF ATT (RDS)
32	PA3/AN3	IO/AI	Hi-Z	O	no use
33	PA4/AN4	IO/AI	Hi-Z	I	AMP OL
34	PA5/AN5	IO/AI	Hi-Z	I	AMP DC
35	PA6/AN6	IO/AI	Hi-Z	O	V.CONT B
36	PA7/AN7	IO/AI	Hi-Z	O	V.CONT A
37	AVss	(GND)	GND		GND
38	RST	I	LOW	I	RST
39	EXTAL	I	Oscillation	I	Oscillation
40	XTAL	O	Oscillation	O	Oscillation
41	Vss	(GND)	GND		GND
42	TX	O		O	OPEN
43	TEX	I		I	GND
44	V_{DD}	(5V)	5V		5V
45	V_{FDP}	(V_F)	V_F		V_F
46	PD0/A55	O/O	Hi-Z or PD	O	V.MUTE
47	PD1/A54	O/O	Hi-Z or PD	O	AC RY
48	PD2/A53	O/O	Hi-Z or PD	O	R.C. RY
49	PD3/A52	O/O	Hi-Z or PD	O	FRONT RY
50	PD4/A51	O/O	Hi-Z or PD	O	SP-B RY

PIN No.	PIN NAME	FUNCTION	RESET	I/O	FUNCTION
51	PD5/A50	O/O	Hi-Z or PD	O	HP RY
52	PD6/A49	O/O	Hi-Z or PD	O	SP-A RY
53	PD7/A48	O/O	Hi-Z or PD	O	no use
54	PF0/A47	O/O	Hi-Z or PD	O	no use
55	PF1/A46	O/O	Hi-Z or PD	O	no use
56	PF2/A45	O/O	Hi-Z or PD	O	(OPEN)
57	PF3/A44	O/O	Hi-Z or PD	O	(OPEN)
58	PF4/A43	O/O	Hi-Z or PD	O	F. ST 3
59	PF5/A42	O/O	Hi-Z or PD	O	F. ST 2
60	PF6/A41	O/O	Hi-Z or PD	O	F. ST 1
61	PF7/A40	O/O	Hi-Z or PD	O	SYS. DT
62	PG0/A39	O/O	Hi-Z or PD	O	SYS. CK
63	PG1/A38	O/O	Hi-Z or PD	O	PLL CE
64	PG2/A37	O/O	Hi-Z or PD	O	T. MUTE
65	PG3/A36	O/O	Hi-Z or PD	O	A. MUTE
66	PG4/A35	O/O	Hi-Z or PD	O	MONO
67	PG5/A34	O/O	Hi-Z or PD	O	LOUDNESS
68	PG6/A33	O/O	Hi-Z or PD	O	(OPEN)
69	PG7/A32	O/O	Hi-Z or PD	O	SEG.21
70	PH0/A31	O/O	Hi-Z or PD	O	SEG.20
71	PH1/A30	O/O	Hi-Z or PD	O	SEG.19
72	PH2/A29	O/O	Hi-Z or PD	O	SEG.18/KEY 1
73	PH3/A28	O/O	Hi-Z or PD	O	SEG.17/KEY 2
74	PH4/A27	O/O	Hi-Z or PD	O	SEG.16/KEY 3
75	PH5/A26	O/O	Hi-Z or PD	O	SEG.15/KEY 4
76	PH6/A25	O/O	Hi-Z or PD	O	SEG.14/KEY 5
77	PH7/A24	O/O	Hi-Z or PD	O	SEG.13/KEY 6
78	A23	O	Hi-Z or PD	O	SEG.12/KEY 7
79	A22	O	Hi-Z or PD	O	SEG.11/KEY 8
80	A21	O	Hi-Z or PD	O	SEG.10/KEY 9
81	A20	O	Hi-Z or PD	O	SEG. 9/KEY10
82	A19	O	Hi-Z or PD	O	SEG. 8
83	A18	O	Hi-Z or PD	O	SEG. 7
84	A17	O	Hi-Z or PD	O	SEG. 6
85	A16	O	Hi-Z or PD	O	SEG. 5
86	G15/A15	O/O	Hi-Z or PD	O	SEG. 4
87	G14/A14	O/O	Hi-Z or PD	O	SEG. 3
88	G13/A13	O/O	Hi-Z or PD	O	SEG. 2
89	V_{DD}	5V	5V		5V
90	G12/A12	O/O	Hi-Z or PD	O	SEG. 1
91	G11/A11	O/O	Hi-Z or PD	O	FL Grid12
92	G10/A10	O/O	Hi-Z or PD	O	FL Grid11
93	G9/A9	O/O	Hi-Z or PD	O	FL Grid10
94	G8/A8	O/O	Hi-Z or PD	O	FL Grid 9
95	G7/A7	O/O	Hi-Z or PD	O	FL Grid 8
96	G6/A6	O/O	Hi-Z or PD	O	FL Grid 7
97	G5/A5	O/O	Hi-Z or PD	O	FL Grid 6
98	G4/A4	O/O	Hi-Z or PD	O	FL Grid 5
99	G3/A3	O/O	Hi-Z or PD	O	FL Grid 4
100	G2/A2	O/O	Hi-Z or PD	O	FL Grid 3

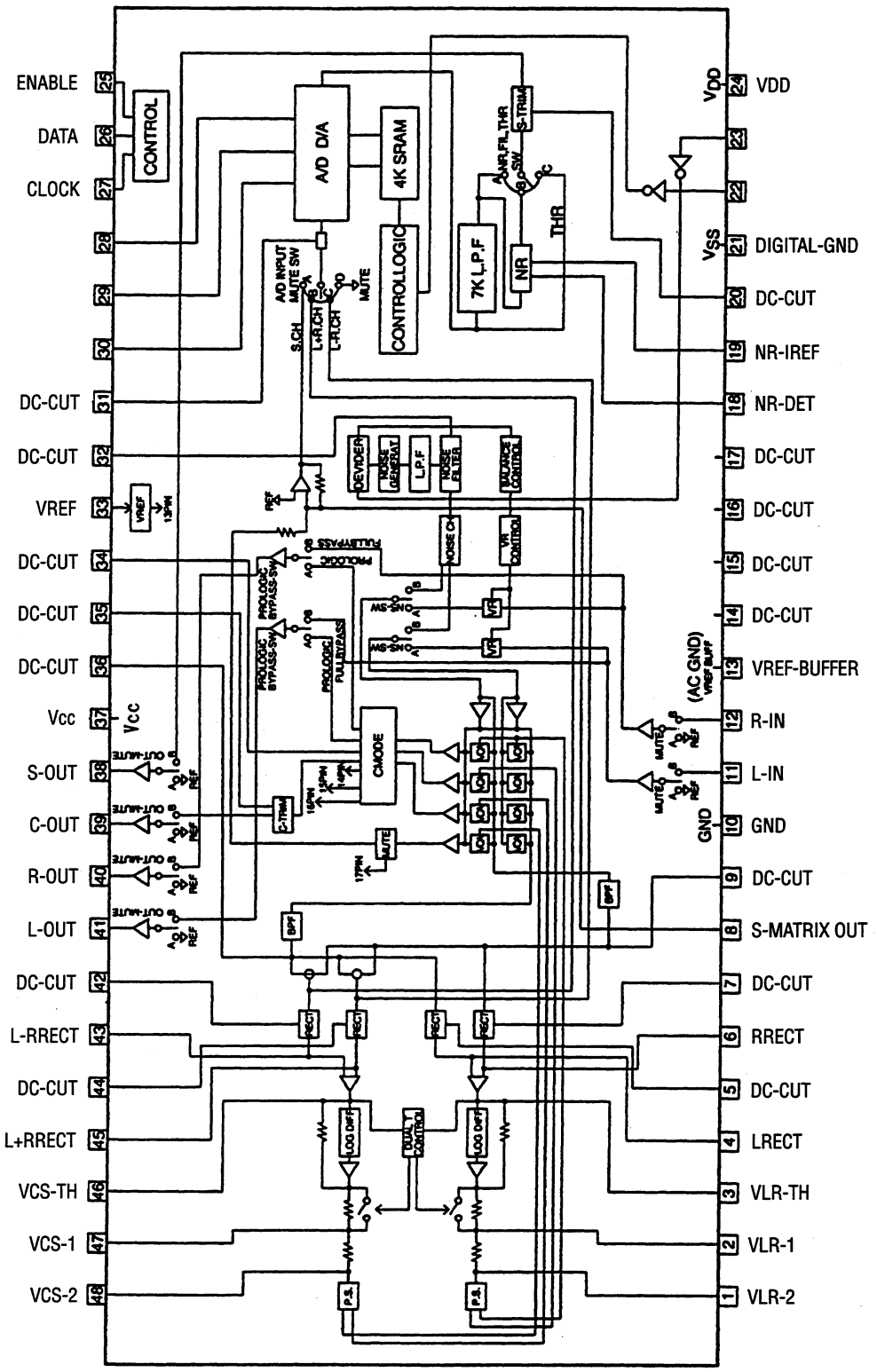
Pin No.	Port Function	Logic	Function
4	AC WAKE UP input	50 or 60 Hz squar wave	Same as the conventional model. Normal operation mode when signals are input. When signals are absent and 2 waves are dropped, the "STOP mode" should be set. Note) To prevent incorrect operations due to noise and static electricity, implement noise removal measures.
5	RDS DATA input	Depending on SAA6579	DATA for the serial control of RDS communication.
6	RDS CLK input	Depending on SAA6579	CLK for the serial control of RDS communication.
8	SR remote controller input	SR remote controller code (no carrier, Hi active).	The output of the light-receiving section of the remote controller of the unit and output from SR IN of the light-receiving section of the remote controller of other unit are input.
9	Freq. step select input (9K/10K)	H/L	Selects frequency steps of the tuner. FM AM H 100K 10K
10	VOL.UP output	Lo active	Motor volume control. Defined as Lo when VOL.UP.
11	VOL.DOWN output	Lo active	Motor volume control. Defined as Lo when VOL.DOWN.
12	TUNED input	Hi active	Lo is input when the tuner is being tuned. "TUNED" lights up in the FL display. Functions only during TUNER FUNCTION and normally does not function.
13	STEREO input	Hi active	Lo is input when the tuner receives a stereo broadcasting. "STEREO" lights up on the FL display. Does not function when the forcible monaural is ON. Functions only during TUNER FUNCTION and normally does not function.
14	JOG 1 input	Pulse Lo input Normally H	JOG counterclockwise direction input. The input sensitivity is the same as the conventional model. (1 click, 1 step?)
15	JOG 2 input	Pulse Lo input Normally H	JOG clockwise direction input. The input sensitivity is the same as the conventional model. (1 click, 1 step?)
16-18	KEY SCAN input		KEY SCAN input of the unit key.
29	Destination select	H/L	H:/KU series model (including /SD) L:/HY series model (including /HL, YP)
32	DSP input level sensitivity	Analog input	0 to 5V input level is input to DSP. When the input level exceeds 2.1V, (ATT)"OVERLOAD" lights up on the FL display. Functions only when analog signals (including AUTO) are input to the DSP. Does not function when the front speaker is set to "LARGE" or in a 2ch playback (including DIRECT). When the front speaker is set to "SMALL", this port functions in 2ch playback (including DIRECT). AC-3 model only. Set to the output port in the PRO-LOGIC model.
33	OL.DETECT input	Lo active	Input of the protection circuit as OVERLOAD DETECTOR. When Lo is input, this port opens relays other than the AC relay. "OVERLOAD" flashes on the 8th digits of the FL display for five seconds.

Pin No.	Port Function	Logic	Function
34	DC.DETECT input	Lo active	Input of the protection circuit as DC DETECTOR. When Lo is input, this port opens relays other than the AC relay. "POWEROFF" flashes on the 8th digits of the FL display.
35, 36	VIDEO IC CONT. output	H/L Depending on LA7952	2-bit parallel control for the video function IC. Refer to SW specification.
38	RESET	Lo active	Same specification as VSX-605S
39 40	Oscillation input Oscillation output		7.7MHz (ASS1055)
46	VIDEO signal MUTE output	Lo active	Output for muting MOTOR OUT Becomes H when in the audio FUNCTION.
30	RDS decoder VDD ON/ OFF and FM/AM selection	H active	Turns ON/OFF the RDS decoder Tr switch for VDD. Lo when in AM and Hi in FM of the function tuner. Lo when the power is OFF. H at other times even when functions other than TUNER are set.
31	RF ATT ON/OFF output	H active	Turns the Tr switch of the RF attenuator ON/OFF. Lights up "RF ATT" in FL when the Tr switch is ON. Operates only when the system is in TUNER FUNCTION mode. Normally, it is set to Lo.
58	TC9299 ST output	Depending on TC9299	Serial control STROBE for the electric volume (for REAR, CENT., SUB WF) TC9299 (x2). 3 lines of 58, 61, and 62 (AC-3 model only).
59	TC9162 ST output	Depending on TC9162	Serial control STROBE for the function IC TC9162. 3 lines of 59, 61, and 62 (AC-3 model only).
60	TC9273 ST output	Depending on TC9273	Serial control STROBE for the function IC TC9273. 3 lines of 60, 61, and 62.
61	SYS.DATA output	Depending on TC9273, TC9162, TC9299, and LM7001	Controls PLL IC, AUDIO FUNC. IC, E.VOL. IC with a serial control data. (TC9162 and TC9299 are only for AC-3 model)
62	SYS.CK output	Depending on TC9273, TC9162, TC9299, and LM7001	Controls PLL IC, AUDIO FUNC. IC, E.VOL. IC with a serial control clock. (TC9162 and TC9299 are only for AC-3 model)
63	PLL CE. output	Depending on LM7001	CHIP ENABLE for the tuner PLL IC serial control. 3 lines of 61, 62, and 63
64	T.MUTE ON/OFF output	H active	Muting control for the tuner output. Muting timing is the same as the conventional model. Set to H in functions other than TUNER.
66	TUNERT forcible monaural ON/OFF output	H active	Set to H when the forcible monaural is ON in the MPX mode of the TUNER function.
51	HP.RY ON/OFF output	H active	Turns ON/OFF the Tr switch for the headphone RY.
52 50 49	SP-A RY SP-B RY FRONT RY ON/OFF output	H active	Turns ON/OFF the Tr switch for the front SP to be connected in series. Logic is as follows. 52 50 49 SP-A ON H Lo H SP-B ON Lo H H A,B ON Lo Lo H A,B OFF Hi Hi Lo

Pin No.	Port Function	Logic	Function
48	R.C. RY ON/OFF output	H active	Turns ON/OFF the Tr switch for the rear, center SP RY.
48-52	Protect operation		RY for protection is not provided for this model. The following functions are performed by setting ports 58 to 62 to Lo. Muting when power ON Instantaneous shut-off when power OFF AMP DC protect AMP over loading protect
47	AC RY ON/OFF output	H active	Turns ON/OFF the Tr switch for AC power RY. Lo when stand by, H when power ON.
65	A.MUTE output	Lo active	Controls the audio system muting. Muting timing is the same as the conventional model.
67	LOUDNESS ON/OFF output	H active	Turns ON/OFF the Tr switch for LOUDNESS. "LOUDNESS" lights up on the FL display when ON. Forcibly turned OFF when DIRECT ON.
69-90 (excluding 89)	FL drive segment output Also serves as 72 to 81 KEY SCAN		FL driver Main unit KEY SCAN output 81 is dedicated for selecting a destination.
1,2 & 91-100	FL drive grid output		FL driver (91 is for AC-3 model only)
26	DIRECT ON/OFF output	H active	/HY model only. Turns ON/OFF the DIRECT Tr switch. When DIRECT ON (port High), character "DIRECT" lights up on the FL display.
22 24	TC4052 CONTROL output	H/L	Control output for the IC TC4052 for selecting FRONT signal.
23	M51132 ON/OFF output	Lo active	Control output for the IC M51132L for 5-D THEATER. When ON (port Low), character "5-D THEATER" lights up on the FL display.
21	M65846 ST output	Depending on M65846	STROBE for the serial control of DSP IC M65846. Three lines of 19, 20, and 21.
20	SURR.CK output	Depending on LV1030 and M65846	CLOCK for the serial control of PRO-LOGIC IC and DSP IC.
27	PRO-LOGIC CE output	Depending on LV1030	CHIP ENABLE for the serial control of PRO-LOGIC IC LV1030. Three lines of 19, 20, and 27.
19	SURR.DT output	Depending on LV1030 and M65846	DATA for the serial control of PRO-LOGIC IC and DSP IC.
25	5D-CONT	Low active	Turns ON when the 5D-THEATER surround is effective.

■ LV1030 (PRO LOGIC ASSY : IC3001)

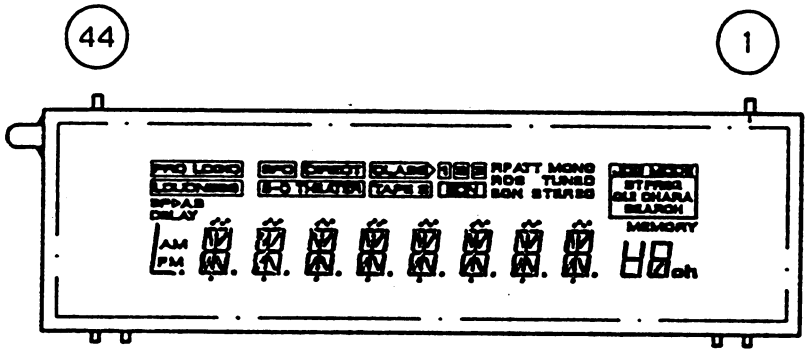
- **Dolby PRO LOGIC**
- **Block Diagram**



7.1.2 DISPLAY

■ **AAV7035 (V901 : FL/U-COM ASSY)**

● **FL Tube**

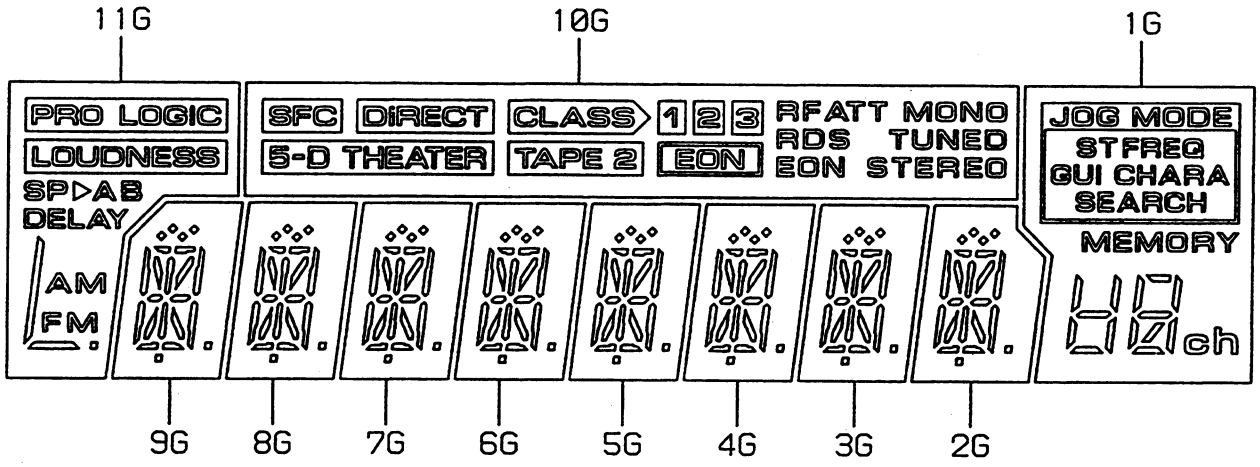


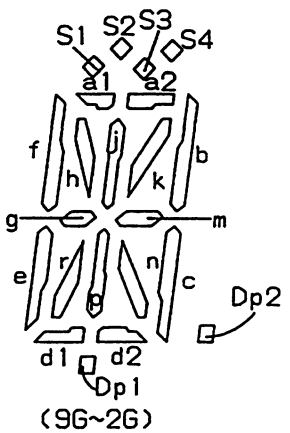
● **Pin Assignment**

PIN NO.	44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
CONNECTION	F2 F2 NP NP NX NX NX P2 P1 P0 P9 P8 P7 P6 P5 P4 P3 P2 P1 P0 P9 P8 P7 P6 P5 P4 P3 P2 P1 N1 1G 10G 9G 8G 7G 6G 5G 4G 3G 2G 1G NP NP F1 F1

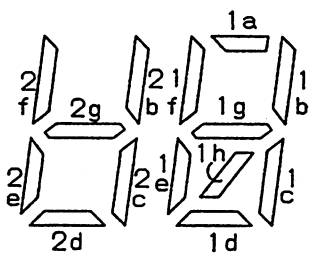
NOTE 1) F1,F2 --- Filament
2) NP ------ No pin
3) NX ------ No extend pin
4) DL ------ Datum Line
5) 1G~11G --- Grid

● **Grid Assignment**





(9G~2G)

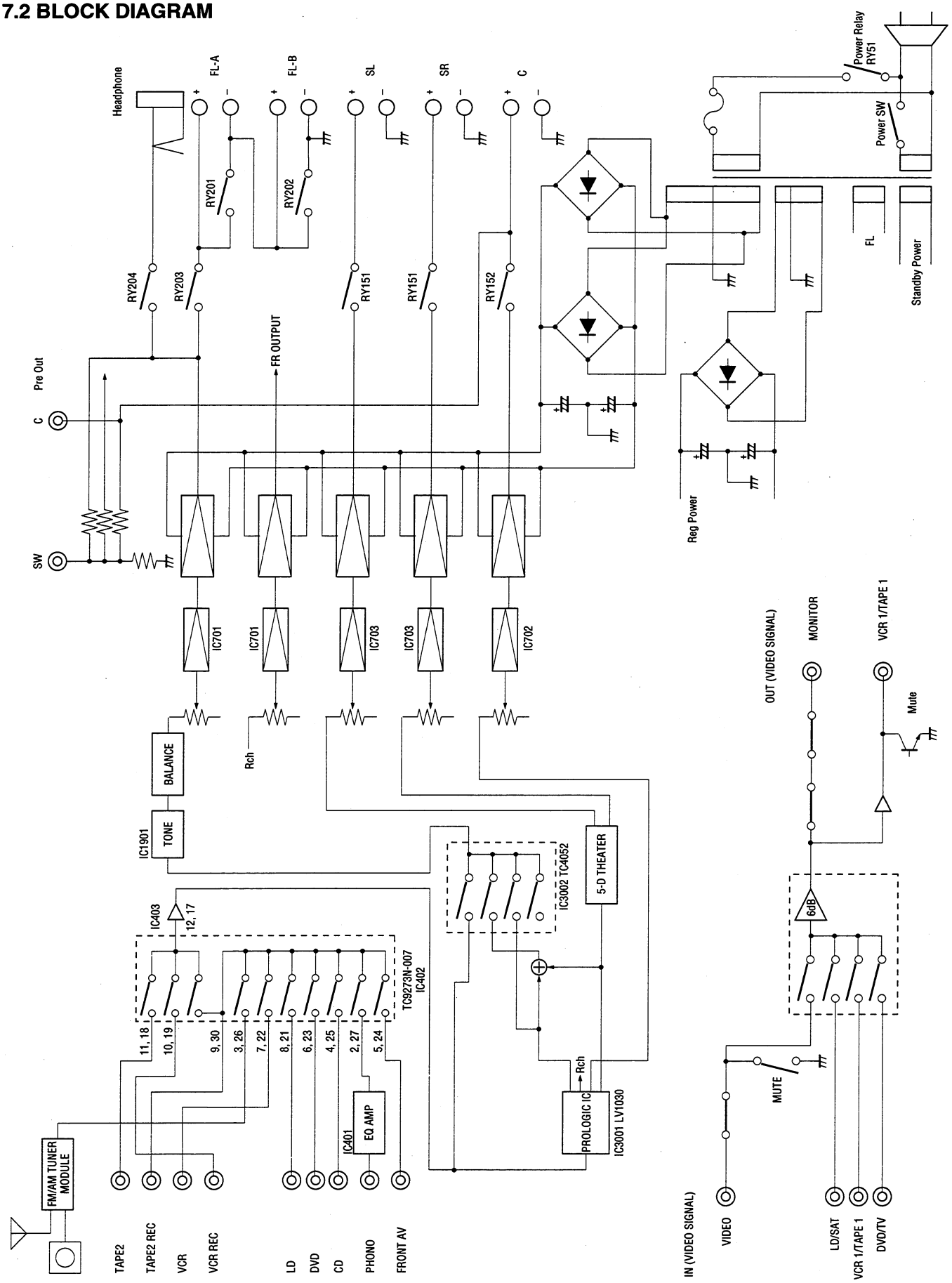


(1G)

● **Anode Connection**

	11G	10G	9G~2G	1G
P1		MONO	a1	2b,2c
P2	▫	TUNED	a2	2g
P3	FM	STEREO	h	2d
P4	AM	RFATT	j	2e
P5	DELAY	RDS	k	2f
P6	B	EON	b	1a
P7	A	3	f	1b
P8	SP▷	2	m	1f
P9	LOUDNESS	1	g	1g
P10	PRO LOGIC	EON	c	1c
P11	-	CLASS	e	1h
P12	-	TAPE 2	r	1e
P13	-	DIRECT	p	1d
P14	-	SFC	n	ch
P15	-	5-D THEATER	d1	MEMORY
P16	-	-	d2	SEARCH
P17	-	-	Dp1	CHARA
P18	-	-	S1,S3	GUI
P19	-	-	S4	FREQ
P20	-	-	S2	ST
P21	-	-	Dp2	JOG MODE

7.2 BLOCK DIAGRAM

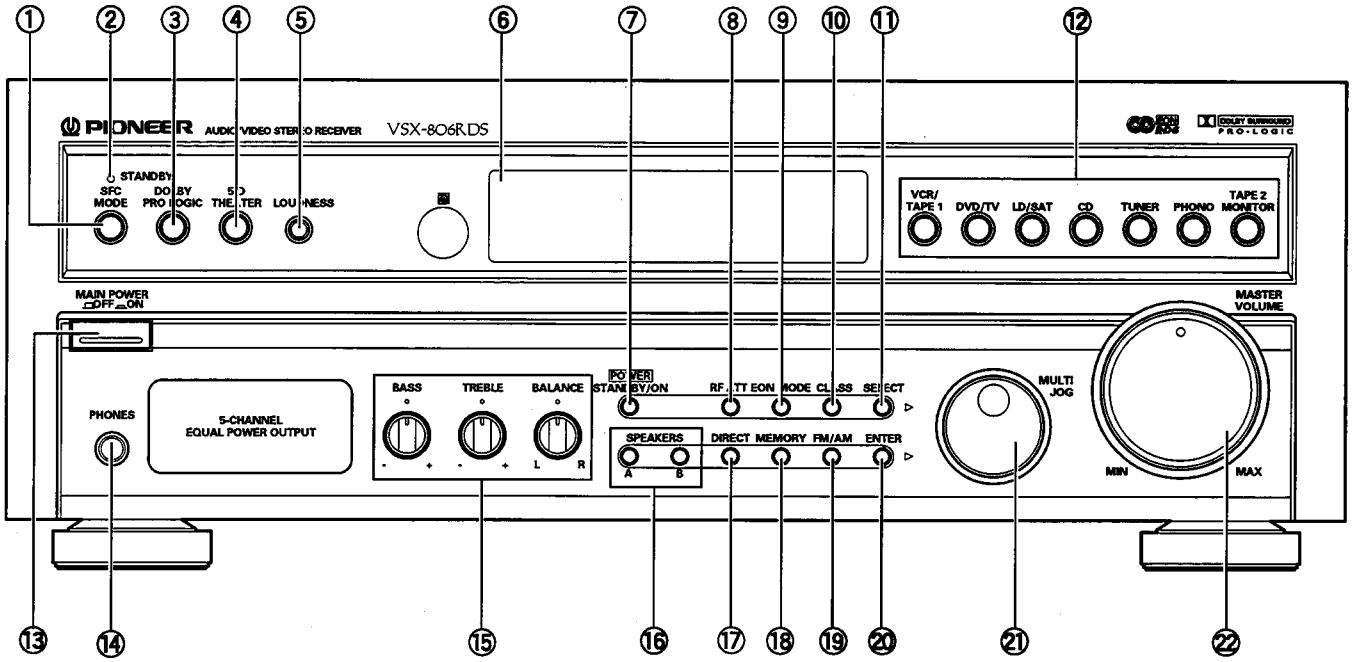


8. PANEL FACILITIES AND SPECIFICATIONS

NAMES OF PARTS

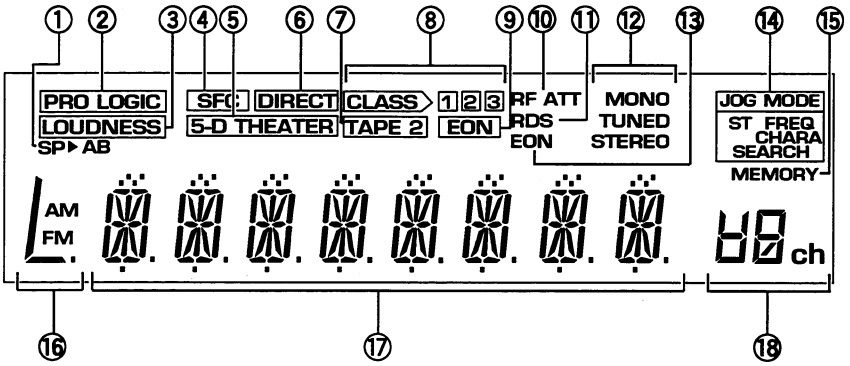
* The size of characters shown in the figure may differ from that on the actual product.

Front panel



① **SFC MODE button**
② **STANDBY indicator**
③ **DOLBY PRO LOGIC button**
Switches DOLBY PRO LOGIC SURROUND on and off.
④ **5-D THEATER button**
⑤ **LOUDNESS button**
Press this button when the volume is low to raise the low and high range levels so that the sound can be heard more easily.
⑥ **Display**
⑦ **POWER STANDBY/ON button**
⑧ **RF ATT button**
Set this button to on when receiving strong FM signals (nearby stations) to reduce sound distortion. Normally, this button should be set off. This button does not affect AM reception.
⑨ **EON MODE button**
⑩ **CLASS button**
⑪ **SELECT button**
Use to switch the control of the MULTI JOG between station mode and frequency mode when operating the tuner.
⑫ **Function buttons**
⑬ **MAIN POWER switch**
⑭ **PHONES jack (Headphone terminal)**
⑮ **TONE and BALANCE controls**
Use to adjust tone and volume balance.
⑯ **SPEAKERS A, B buttons**
ON/OFF switches for the A and B speaker systems.
⑰ **DIRECT button**
Use to play back sound without going through the tone and balance control circuits. DOLBY MODE, DSP MODE and LOUDNESS also turn off.
⑱ **MEMORY button**
⑲ **FM/AM button**
Use to switch the FM/AM frequency band reception.
⑳ **ENTER button**
㉑ **MULTI JOG**
㉒ **MASTER VOLUME**

Display



① **Speakers A, B indicator**
The indicator of the speaker system (A, B) selected will light.

② **PRO LOGIC indicator**
Lights when Dolby Pro Logic is selected.

③ **LOUDNESS indicator**
Lights when LOUDNESS is ON.

④ **SFC indicator**
Lights when the SFC mode is selected.

⑤ **5-D THEATER indicator**
Lights in the 5-D THEATER mode.

⑥ **DIRECT indicator**
Lights when DIRECT is ON.

⑦ **TAPE 2 indicator**
Lights when TAPE 2 MONITOR is ON.

⑧ **CLASS 1, 2, 3 indicators**
The indicator of the class number selected lights.

⑨ **EON MODE indicator**
Lights when EON MODE is ON.

⑩ **RF ATT indicator**

⑪ **RDS indicator**
Lights when a RDS broadcast is received.

⑫ **TUNER indicator**

MONO:
Lights when the monaural mode is set using the MPX MODE button.

TUNED:
Lights when broadcasts are being received.

STEREO:
Lights when stereo broadcasts are received during auto stereo mode.

⑬ **EON indicator**
Lights when a station broadcasting EON information is received.

⑭ **JOG MODE indicator**

ST:
Lights when the station mode is selected.

FREQ:
Lights when the frequency mode is selected.

CHARA:
Lights when the station name memory mode is selected.

SEARCH:
Lights when the program type search mode is selected.

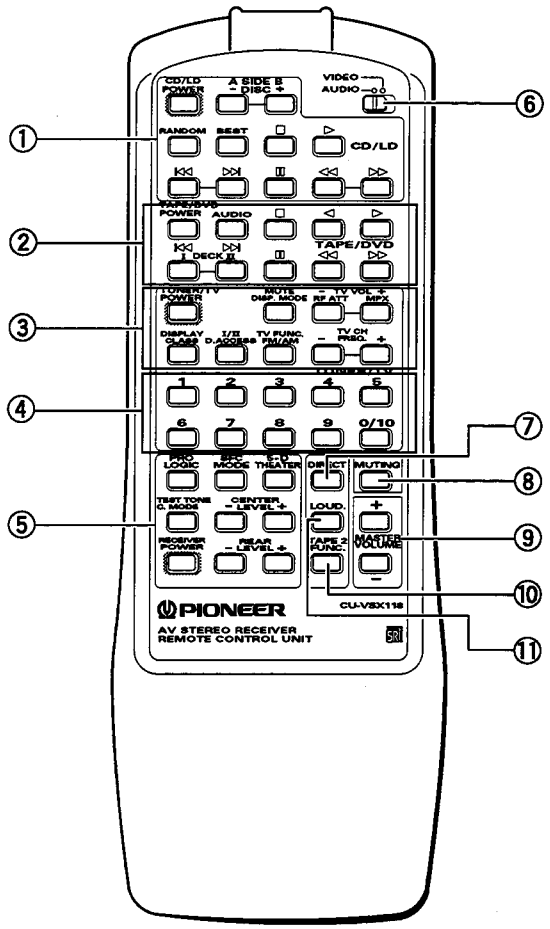
⑮ **MEMORY indicator**
Lights when station memory mode is set.

⑯ **AM/FM indicators**
The indicator of the band currently selected (AM/FM) lights.

⑰ **CHARACTER display**

⑱ **STATION display**
Indicates the station number currently selected.

Remote control unit



① CD/LD buttons

(When the MODE switch is set to AUDIO)

Sets CD.

CD POWER ON/OFF, DISC –/+, RANDOM, BEST, □, ▷, ⏮, ⏭, ⏸, ◁◁, ▷▷

(When the MODE switch is set to VIDEO)

Sets LD.

LD POWER ON/OFF, SIDE A/B, □, ▷, ⏮, ⏭, ⏸, ◁◁, ▷▷

② TAPE/DVD buttons

(When the MODE switch is set to AUDIO)

Sets TAPE DECK.

TAPE POWER ON/OFF, □, ◁, ▷, DECK I/II, ⏸, ◁◁, ▷▷

(When the MODE switch is set to VIDEO)

Sets DVD.

DVD POWER ON/OFF, AUDIO, □, ▷, ⏮, ⏭, ⏸, ◁◁, ▷▷

③ TUNER/TV buttons

(When the MODE switch is set to AUDIO)

Sets FM/AM tuner.

DISP. MODE, RF ATT, MPX, CLASS, D. ACCESS, FM/AM, FREQ –/+

MPX

Use to switch the auto stereo/monaural mode for receiving FM broadcasts. When the received broadcast signal is weak, press this button to set the monaural mode.

(When the MODE switch is set to VIDEO)

Sets TV.

TV POWER ON/OFF, MUTE, TV VOL –/+, DISPLAY, I/II, TV FUNC, TV CH –/+

④ Number buttons

⑤ RECEIVER buttons

PRO LOGIC

Use to turn ON/OFF DOLBY PRO LOGIC surround.

SFC MODE

Use to select from 2 types of SFC MODE.

STUDIO → ARENA → SURR OFF →

5-D THEATER

Use to select from 2 types of 5-D THEATER.

5-D PRO LOGIC → 5-D SURR → SURR OFF →

TEST TONE/C.MODE

(When the MODE switch is set to VIDEO)

TEST TONE

When SFC MODE or DOLBY PRO LOGIC is ON, volume balance adjustment signals are output in order from each speaker and center/rear level can be adjusted.

(When the MODE switch is set to AUDIO)

C.MODE

Switches the center mode.

NORMAL → WIDE → PHANTOM → 3ch LOGIC →

CENTER LEVEL –/+

Adjusts the center level.

RECEIVER POWER

Use to switch the RECEIVER power to ON or STANDBY.

REAR LEVEL –/+

Adjusts the rear level.

⑥ MODE switch

Use to switch the remote control unit modes.

⑦ DIRECT button

⑧ MUTING button

Turns ON when the volume is muted.

⑨ MASTER VOLUME –/+ buttons

Use to adjust the volume.

⑩ TAPE 2/FUNC. button

(When the MODE switch is set to VIDEO)

TAPE 2

Use to turn ON the TAPE 2 monitor.

(When the MODE switch is set to AUDIO)

FUNC. (FUNCTION)

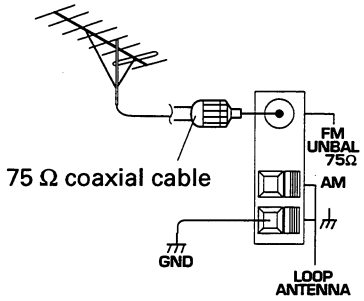
Use to switch the function.

⑪ LOUD. (LOUDNESS) button

CONNECTING DEVICES

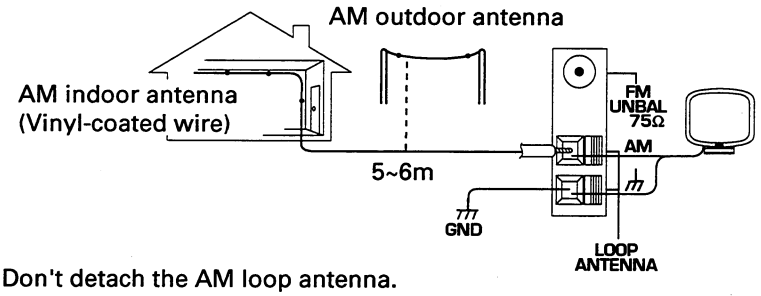
Before making or changing the connections, switch off the power switch and disconnect the power cord from the AC outlet.

■ For better reception of signals, use an FM external antenna.



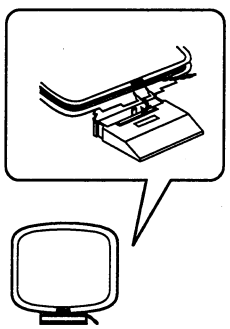
■ When AM broadcast reception is poor

Connect a 5 to 6 meter long vinyl-coated wire to the AM antenna terminal. If possible draw horizontally outdoors to achieve better reception.

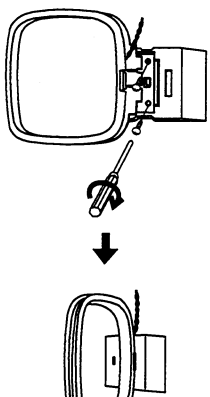


Don't detach the AM loop antenna.

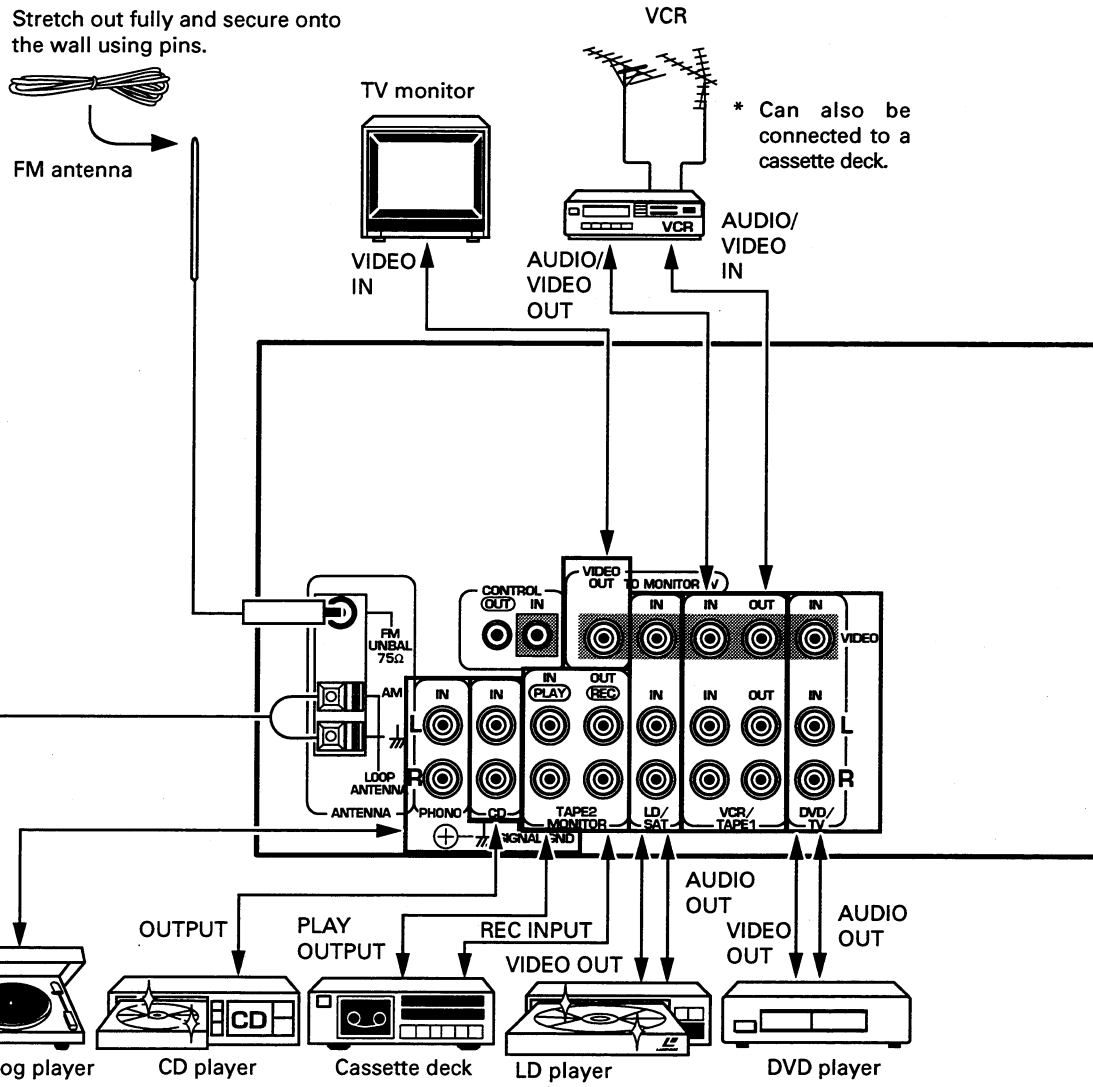
■ Assembling the AM loop antenna



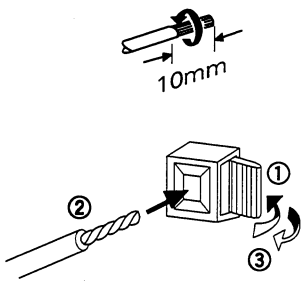
When attaching on a wall, etc.



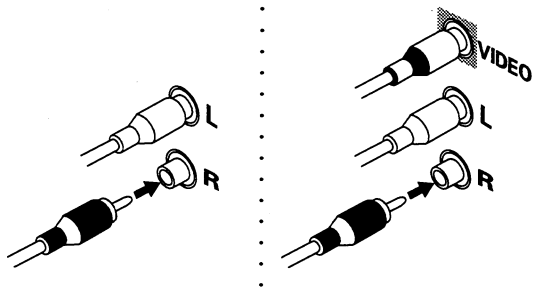
Face towards the direction with the best reception.



■ AM antenna terminal



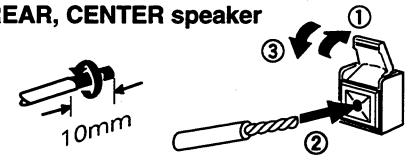
■ Input/output plugs



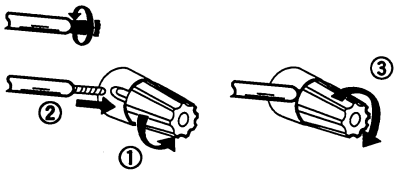
Connect the white plug to L, red plug to R, and yellow plug to VIDEO. Be sure to insert completely.

■ Speaker terminals

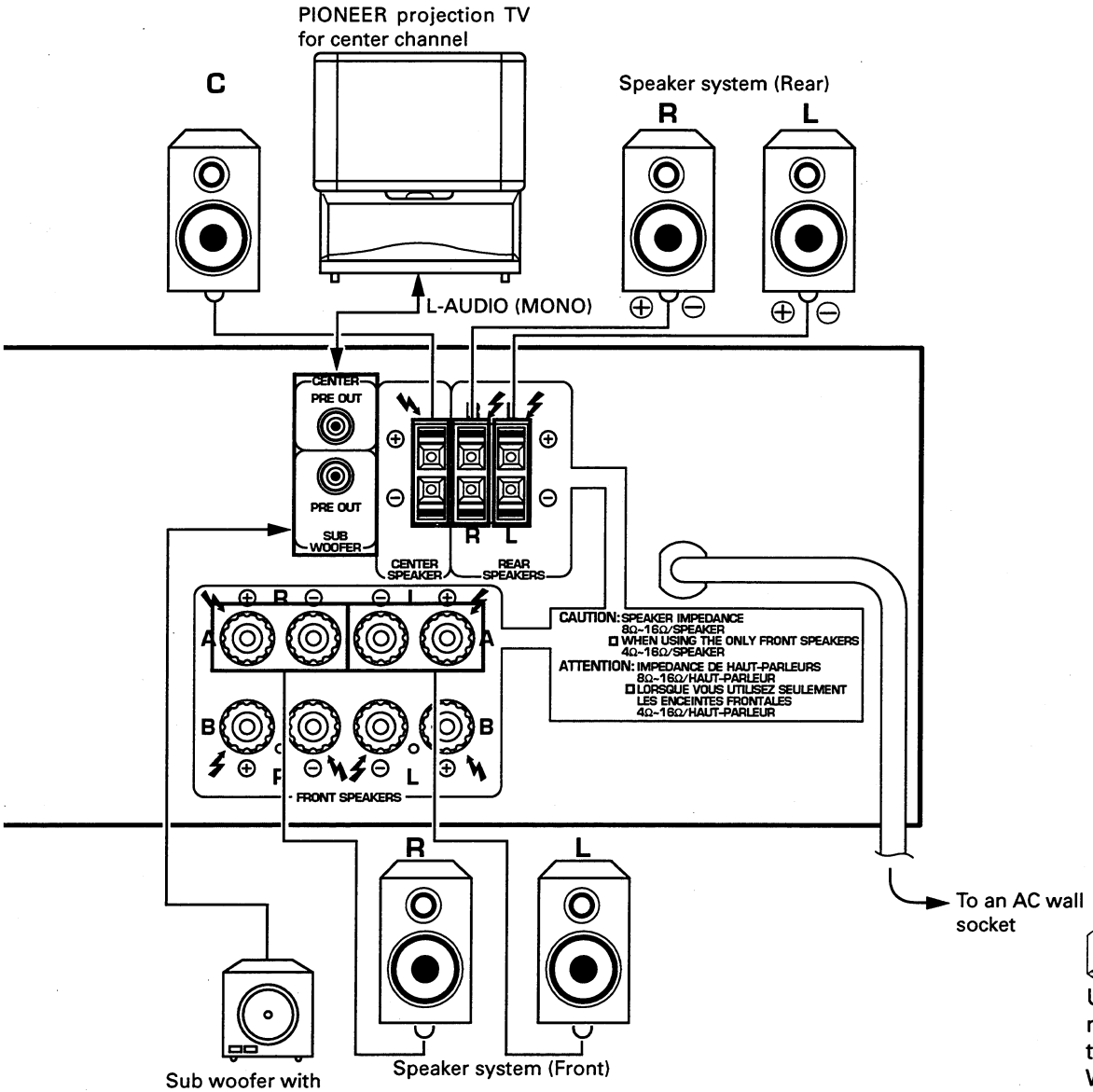
REAR, CENTER speaker



FRONT speaker



* The size of characters and terminal positions in the figures may differ from those on the actual product.



* The sub woofer can be connected in a different way. For details, refer to the instructions on the sub woofer.

memo

Use nominal impedances ranging from 8 Ω to 16 Ω for the speaker system.
When using the only front speakers, use nominal impedances ranging from 4 Ω to 16 Ω.

VSX-806RDS

SPECIFICATIONS

Amplifier Section

Continuous average power output of 65 watts* per channel, min., at 8 ohms, from 20 Hz to 20,000 Hz with no more than 0.09 % total harmonic distortion (front).**

Continuous Power Output
(DIN, 1 kHz, T.H.D. 1 %, 4 Ω)
STEREO Front ..... 110 W + 110 W
(DIN, 1 kHz, T.H.D. 1 %, 8 Ω)
STEREO Front ..... 80 W + 80 W
SURROUND Front ..... 60 W + 60 W
Center ..... 60 W
Rear ..... 60 W + 60 W

Input (Sensitivity/Impedance)
PHONO MM ..... 2.8 mV/47 kΩ
LD/SAT, CD, VCR/TAPE 1, TAPE 2
DVD/TV, VIDEO ..... 200 mV/47 kΩ
Phono Overload Level (T.H.D. 0.1 %, 1kHz)
PHONO MM ..... 100 mV
Frequency Response
PHONO MM ..... 20 Hz to 20,000 Hz ± 0.5 dB
LD/SAT, CD, VCR/TAPE 1, TAPE 2
DVD/TV, VIDEO ..... 5 Hz to 100,000 Hz $^{+0}_{-3}$ dB
Output (Level/Impedance)
VCR/TAPE 1 REC, TAPE 2 REC ..... 200 mV/1 kΩ
Tone Control
BASS ..... ± 9 dB (100 Hz)
TREBLE ..... ± 9 dB (10 kHz)
Signal-to-Noise Ratio [DIN (Continuous power output/50 mW)]*
PHONO MM ..... 67 dB/61 dB
LD/SAT, CD, VCR/TAPE 1, TAPE 2
DVD/TV, VIDEO ..... 82 dB/62 dB

* *Direct: ON*
** *Measured by Audio Spectrum Analyzer.*

VIDEO Section

Input (Sensitivity/Impedance)
LD/SAT, VCR, DVD/TV, VIDEO ..... 1 Vp-p/75 Ω
Output (Level/Impedance)
VCR REC, MONITOR TV ..... 1 Vp-p/75 Ω
Frequency Response
LD/SAT, VCR, DVD/TV, VIDEO
→ MONITOR ..... 5 Hz to 7 MHz $^{+0}_{-3}$ dB
Signal-to-Noise Ratio ..... 55 dB
Cross Talk ..... 55 dB

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FM Tuner Section

Frequency Range ..... 87.5 MHz to 108 MHz
Usable Sensitivity ..... Mono: 14.2 dBf, IHF (1.4 µV/75 Ω)
50 dB Quieting Sensitivity ..... Mono: 18 dBf
Stereo: 38.3 dBf
Signal-to-Noise Ratio ..... Mono: 76 dB (at 85 dBf)
Stereo: 72 dB (at 85 dBf)
Distortion ..... Stereo: 0.6 % (1kHz)
Alternate Channel Selectivity ..... 70 dB (400 kHz)
Stereo Separation ..... 40 dB (1 kHz)
Frequency Response ..... 30 Hz to 15 kHz (± 1) dB
Antenna Input ..... 75 Ω unbalanced
Sensitivity (DIN) ..... Mono: 1.0 µV (S/N 26 dB)
Stereo: 50 µV (S/N 46 dB)
Signal-to-Noise Ratio (DIN) ..... Mono: 62 dB
Stereo: 58 dB

AM Tuner Section

Frequency Range ..... 531 kHz to 1,602 kHz
Sensitivity (IHF, Loop antenna) ..... 350 µV/m
Selectivity ..... 30 dB
Signal-to-Noise Ratio ..... 50 dB
Antenna ..... Loop antenna

Miscellaneous

Power Requirements ..... AC 230 V, 50/60 Hz
Power Consumption ..... 770 W
Dimensions ..... 420 (W) × 155 (H) × 435 (D) mm
Weight (without package) ..... 12.0 kg

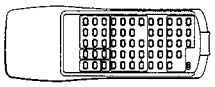
Furnished Parts

FM Antenna 1
AM Loop Antenna 1
Dry Cell Batteries [size "AA" (IEC R6)] 2
Remote Control Unit 1
Operating Instructions 1
Warranty Card 1

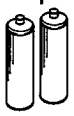
NOTE:
Specifications and the design are subject to possible modifications without notice, due to improvements.

FM antenna

AM loop antenna



Remote control unit (CU-VSX118)



Dry cell battery (size "AA" IEC R6P) x 2